

Salvador, 05 de setembro de 2022.

Ao
Tribunal Regional Eleitoral da Bahia
Att. Comissão de Licitação
Ref. Pregão Eletrônico nº 054/2022

“ PROPOSTA COMERCIAL ”

Em atenção a solicitação de V.Sa, estamos apresentando nossa proposta comercial, na qualidade revenda autorizada, para fornecimento dos produtos e serviços de informática, conforme segue:

ITEM 1 - SERVIDOR HPE SIMPLIVITY EXTRA-LARGE

Descrição:

1. SERVIDOR HPE SIMPLIVITY

- 1.1. Possui 1.5 TB de memória;
- 1.2. Possui 24 discos SSD de 1,92TB;
- 1.3. Possui, processador Intel Xeon Gold 5218R (2.1GHz/20-core/125W);
- 1.4. O prazo de garantia e suporte técnico do fabricante para os equipamentos é de 60 (sessenta) meses para reposição de peças, mão de obra e atendimento on-site, no regime 24x7, 24 (vinte e quatro) horas por dia e 7(sete) dias por semana, incluindo feriados e finais de semana, com tempo de solução de até 6 horas, a partir de abertura de chamado, contemplando ainda direito de atualização de versões, releases e patches dos equipamentos, sistemas operacionais, ferramentas de gerenciamento e demais itens correlacionados aos mesmos;
- 1.5. Os equipamentos serão fornecidos com todos os acessórios necessários para sua instalação, incluindo, mas não se limitado a acessórios para montagem em rack, cabos de alimentação elétrica, cabos lógicos para as portas de gerenciamento e cabos DAC de no mínimo 10Gbps para as portas de rede e federação SAN, considerando um par redundante de portas de 10Gbps (ou combo 25Gbps) para a rede da federação e um par redundante de portas de 10Gbps (ou combo 25gbps) para a rede SAN da federação. Os cabos DAC serão fornecidos em quantidade e tipo adequados à proposta com comprimento de 5 metros;
- 1.6. Serão fornecidos todos os cabos, trilhos, adaptadores e demais acessórios necessários à instalação, configuração e uso dos servidores em rack de 19” (dezenove polegadas), compreendendo conexão física do Equipamento;
- 1.7. A Contratada fornecerá também BRAÇO ARTICULADO, instalado na parte posterior do equipamento ofertado;
- 1.8. Todas as funcionalidades da referida unidade estarão devidamente licenciadas;
- 1.9. Serviço de Instalação
 - 1.9.1. O serviço de instalação consiste na colocação do equipamento em pleno funcionamento, em conformidade com o disposto na especificação técnica, do Edital e seus Anexos, e em perfeitas condições de operação, de forma integrada ao cluster já existente ao ambiente de infraestrutura de informática do CONTRATANTE e contemplará, o seguinte:
 - 1.9.2. Instalação física do nó no local indicado pelo CONTRATANTE;
 - 1.9.3. Conexão e configuração dos nós nos equipamentos de rede do CONTRATANTE;
 - 1.9.4. Atualização de softwares, firmwares e drivers que compõem a solução;

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Av. Anita Garibaldi, 1815, C.M.E., salas 401 à 405 Bloco A. Ondina. Salvador - Bahia
CEP. 40.210.750 - Tel. (71) 2101-2500 / Fax. (71) 2101-2525

- 1.9.5. A CONTRATADA garante os equipamentos, componentes, acessórios e cabos de conexão elétricos necessários para interligar fisicamente todos os componentes da solução entregue;
- 1.9.6. Aplicação das licenças VMware nos servidores;
- 1.9.7. Configuração do backup integrado centralizado em VMs incluindo restauração, e das funcionalidades de deduplicação, compressão e aceleração;
- 1.9.8. Configuração do call-home;
- 1.9.9. Migração de todas as máquinas virtuais do ambiente atualmente em produção (dos atuais 3 nós simplivity) para o novo cluster de equipamentos deste edital;
- 1.9.10. Reinstalação total do cluster atual, após movidas todas as VM para o novo cluster de equipamentos deste edital;
- 1.9.11. Integração total dos três nós atuais no novo cluster criado com os nós adquiridos neste edital;
- 1.9.12. Testes da solução, incluindo testes de failover;
- 1.9.13. A instalação física dos equipamentos será realizada pela CONTRATADA, com acompanhamento de uma equipe destacada pelo CONTRATANTE;
- 1.9.14. Todos os serviços de instalação serão executados EXCLUSIVAMENTE por profissional do fabricante, não sendo aceitos substitutos de revendas;
- 1.9.15. A instalação, configuração e testes do equipamento serão feitos com o acompanhamento de técnicos do CONTRATANTE, visando o repasse de conhecimento e observância dos padrões de segurança do CONTRATANTE;
- 1.9.16. O repasse de conhecimento será realizado por meio do acompanhamento do processo de instalação por parte da equipe do Tribunal Regional Eleitoral da Bahia e ao final apresentação da solução implementada, não caracterizando curso formal para a equipe;
- 1.9.17. O equipamento estará com todas as funcionalidades e recursos de hardware e software solicitados disponíveis e configurados. Os sistemas de gerenciamento e de acionamento automático de suporte técnico também deverão estar ativos e em pleno funcionamento, levando em consideração todas as características solicitadas;
- 1.9.18. A instalação e a configuração do equipamento ocorrerão preferencialmente em dias úteis, em horário comercial, ficando a cargo do CONTRATANTE a definição dos horários para configuração do equipamento em produção. Atividades a serem realizadas fora deste horário estarão sujeitas à aprovação prévia da equipe da gerência de Tecnologia da Informação do CONTRATANTE;
- 1.9.19. Todos os componentes de hardware e software funcionaram em conjunto, simultaneamente, incluindo-se os equipamentos ora em produção, em um mesmo cluster, sem conflitos, de forma integrada entre eles e o ambiente de infraestrutura de TI do CONTRATANTE;
- 1.9.20. O profissional do fabricante que instalará a solução possuirá certificação válida VMware Certified Professional 6 – (VMware Certified Professional), ou superior e certificação oficial do fabricante na infraestrutura de hiperconvergência ofertada ou de servidores do mesmo fabricante;
- 1.10. Será fornecida, para cada processador, de cada nó, uma licença de VMWare VSphere Enterprise Plus, mais atual compatível com a solução, com suporte técnico por 60 meses;

Marca: HPE Modelo: HPE SimpliVity 380 Gen10 G Node + VMw vSphere EntPlus 1P 5yr E-LTU

Valor unitario : R\$ 720.000,00 Qte: 10

Valor Total: R\$ 7.200.000,00

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ITEM 2 – SOFTWARE DE GERENCIAMENTO DE VIRTUALIZAÇÃO**Descrição:** 2 VMWARE VCENTER STANDARD

2.1 Licenciamento VMware VCenter Standard, com suporte técnico e direito de atualização de versão por 60 meses;

2.2 Será versão OEM, exclusivamente se vendido em conjunto com o item 1 desde edital.

Marca: VMWARE Modelo: vCenter Server Std for vSph 5y E-LTU**Valor unitario : R\$ 70.000,00 Qte: 20****Valor Total: R\$ 1.400.000,00****ITEM 3 - SOFTWARE DE GERENCIAMENTO DE VIRTUALIZAÇÃO****Descrição:** VMWARE VREALIZE OPERATIONS STANDARD

3.1 Licenciamento VMware VRealize Operations Standard, por processador, com suporte técnico e direito de atualização de versão por 60 meses;

3.2 Será na versão OEM, exclusivamente se vendido em conjunto com o item 1 desde edital.

Marca: VMWARE Modelo: vRealize Ops Std /CPU 5yr E-LTU**Valor unitario : R\$ 25.000,00 Qte: 20****Valor Total: R\$ 500.000,00****ITEM 4 - SOFTWARE DE REDE DEFINIDA POR SOFTWARE****Descrição:** VMWARE NSX ADVANCED EDITION

4.1 Licenciamento VMware Network Virtualization and Security Platform Advanced edition - NSX por processador, com suporte técnico e direito de atualização de versão;

4.2 Possui suporte técnico do fabricante pelo período de 60 meses;

4.3 Será na versão OEM, exclusivamente se vendido em conjunto com o item 1 desde edital.

Marca: VMWARE Modelo: NSX-T Adv 1P 5yr E-LTU**Valor unitario : R\$ 85.000,00 Qte: 20****Valor Total: R\$ 1.700.000,00****Condições Gerais:**

- Validade da proposta: 60 (sessenta) dias.
- Prazo de entrega : 30 dias; softwares: 5 dias úteis
- Prazo de garantia: 60 meses.

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- Suporte Técnico: Atendimento on-site, com reposição de peças, regime de atendimento 24x7 e tempo de solução de até 6 horas, a partir de abertura de chamado, prestados diretamente pelo fabricante.
- Prazo de pagamento: 10 dias úteis do mês seguinte, através de depósito em c/c conforme edital.
- Conta corrente: 21361-1 Banco : Itaú Agência : 0935.
- Frete/Impostos: Inclusos nos preços, conforme edital.
- Demais condições: Conforme Edital.

Dados da Empresa :

Razão Social : PRODUS - Produtos e Soluções para Informática Ltda.

CNPJ : 63.270.797 / 0001-67 / I. E : 61.327.301NO / I. M : 082.666.001-16

Endereço : Av. Anita Garibaldi, 1815 - Centro Médico Empresarial, Bloco A, 4º andar, salas 401 à 405 Bairro : Ondina Cidade : Salvador UF : Bahia

CEP: 40.210-750 Tel : 71 2101-2500 Fax : 71 2101-2525

E-mail: comercial@produs.com.br

Atenciosamente,

Alberto Bouzas
Consultor Comercial

BRHOST SERVIÇOS DIGITAIS LTDA

Avenida getúlio vargas, nº 541, Sala 04
Feira De Santana, BA, 44.001-325
(75) 4141-7003
CNPJ: 35.614.414/0001-95

Ao TRIBUNAL REGIONAL ELEITORAL DA BAHIA, Centro Administrativo da Bahia,,
nº 150, CAB, Salvador/BA, CEP 41.745-901.

Apresentamos proposta de acordo com as especificações, condições e prazos estabelecidos no Pregão Eletrônico nº 54/2022, dos quais nos comprometemos a cumprir integralmente.

Declaramos que concordamos com todas as condições estabelecidas no Edital e seus respectivos Anexos.

O valor total total da contratação é de **R\$ 9.750(nove mil setecentos e cinquenta reais)**, conforme tabela abaixo:

ITEM	DESCRIÇÃO	REF	UN	QNT D	VAL UNIT	TOTAL
5	Certificado SSL DV de cadeia internacional, emitido pela autoridade certificadora Sectigo. Com reconhecimento automático em 99.9% dos navegadores. Compatível com servidores Windows, Linux e etc.	Sectigo Positive SSL	12 meses	100	R\$ 97.50	R\$ 9,750.00

Declaramos que esta proposta tem validade de 90 (noventa) dias corridos, contados da data de abertura da licitação.

Sócio-administrador

VMware vRealize Operations

Intelligent Operations from Applications to Storage—from vSphere and Hyper-V to Amazon Web Services and Physical Hardware

AT A GLANCE

VMware vRealize™ Operations™ delivers intelligent operations management across physical, virtual, and cloud infrastructures—from VMware vSphere® and Hyper-V to Amazon Web Services. It correlates data from applications to storage in a unified, easy-to-use management tool that provides control over performance, capacity, and configuration, with predictive analytics driving proactive action, and policy-based automation.

KEY BENEFITS

- Proactive identification and remediation of emerging performance, capacity, and configuration issues
- Comprehensive visibility across applications and infrastructure in a single console
- Automated capacity optimization and planning
- Enforcement of standards for continuous compliance
- Open and extensible platform that leverages existing investments, with third-party management packs for Microsoft, SAP, and more

About VMware vRealize Operations

Traditional operations management systems do not meet the requirements of today's virtual and cloud infrastructures. They make IT too reactive because they lack the intelligence to aggregate, correlate, and analyze metrics across applications and infrastructure stacks.

vRealize Operations is built on a scale-out, resilient platform designed to deliver intelligent operational insights to simplify and automate management of applications and infrastructure across virtual, physical and cloud environments—from vSphere to Hyper-V, Amazon Web Services (AWS), and more.

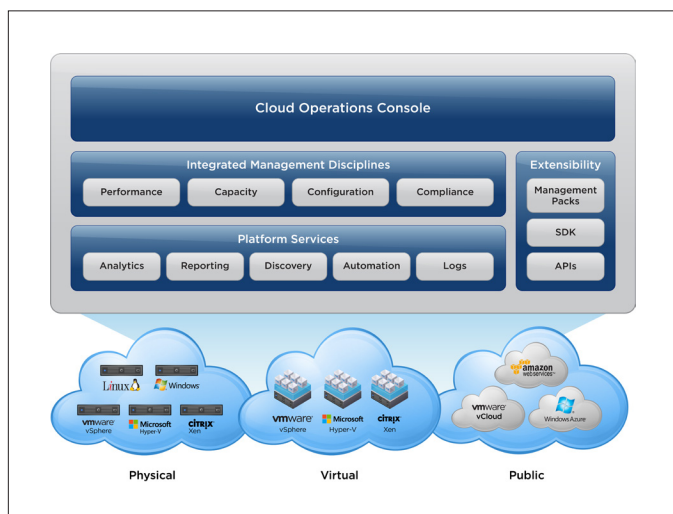
With vRealize Operations, IT organizations of all sizes can improve performance, avoid business disruption, and become more efficient with comprehensive visibility across applications and infrastructure in one place.

vRealize Operations delivers

- **Intelligent operations** – Self-learning tools, predictive analytics, and Smart Alerts about application and infrastructure health enable proactive identification and remediation of emerging performance, capacity, and configuration issues.
- **Policy-based automation** – Out-of-the-box and customizable policies for critical IT operations are associated with Smart Alerts, guided remediation, and compliance standards to deliver recommendations, or trigger actions, that optimize performance and capacity and enforce configuration standards.
- **Unified management** – An open and extensible platform, supported by third-party management packs for Microsoft, SAP, and others, provides complete visibility in a single console across applications, storage, and network devices.

Learn More

For more information or to purchase VMware products call 1-877-VMWARE (outside North America, +1-650-427-5000), visit <http://www.vmware.com/products>, or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the VMware vRealize Operations documentation at <http://www.vmware.com/products/vrealize-operations>.



Automated operations management for virtual and cloud infrastructure.

vREALIZE OPERATIONS			
Key Features and Capabilities			
Standalone product editions (Licensed per OSI)	Standard	Advanced	Enterprise
Included in a VMware suite (Licensed per CPU)	VMware vCloud Suite® Standard	vCloud Suite Advanced	vCloud Suite Enterprise
	VMware vSphere® with Operations Management™	VMware vRealize™ Operations Insight™ VMware vRealize™ Suite Advanced	vRealize Suite Enterprise
Operations Platform			
Scale-out platform	•	•	•
Built-in high availability (automated failover of platform nodes)		•	•
Operations dashboards, views, and reports	•	•	•
Customizable dashboards, views, and reports		•	•
Policy Management			
Flexible operations policies and Operations Groups	•	•	•
Guided remediation	•	•	•
Role-based access control	•	•	•
Performance Monitoring and Analytics			
vSphere health monitoring	•	•	•
Self-learning analytics with Dynamic Thresholds	•	•	•
Smart Alerts	•	•	•
Root-cause analysis and recommendations	•	•	•
Monitoring of OS resources (CPU, disk, memory, network)*		•	•
Universal storage visibility		•	•
Database and application monitoring (full VMware vRealize Hyperic®)			•
Capacity Management			
Capacity metering, trending, right-sizing, what-if scenarios, and resource optimization	•	•	•
Capacity model-driven analytics		•	•
Resource monitoring, planning, and optimization applicable to any object, including third-party data		•	•
Change, Configuration, and Compliance Management			
vSphere Hardening	•	•	•
vSphere change, configuration, and regulatory compliance		•	•
OS-level change, configuration, and patch management			•
OS-level regulatory compliance-management packs (PCI, HIPAA, SOX, etc.)**			•
Application Dependency Mapping			
Automated application discovery and relationship visualization		•	•
Naming and versioning		•	•

* vRealize Hyperic in Advanced edition includes Platform plug-ins for Windows, Linux, AIX, Solaris, HP-UX (EULA restricted). Full Hyperic is included in Enterprise edition.

** Enterprise edition includes Regulatory Compliance for the guest-OS level or physical servers.

Get more out of vRealize Operations with third-party Management Packs. For a complete list of third-party Management Packs and extensions, please visit <https://solutionexchange.vmware.com/store>.



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com

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09/14

VMWARE vCENTER SERVER

Infraestrutura virtual com gerenciamento centralizado
fornecida com confiança

VISÃO GERAL

O VMware vCenter Server® oferece uma plataforma centralizada e extensível para o gerenciamento da infraestrutura virtual. O vCenter Server gerencia os ambientes do VMware vSphere®, proporcionando aos administradores de TI um controle simples e automatizado do ambiente virtual para oferecer uma infraestrutura com confiança. O vCenter Server também é fornecido com 25 licenças OSI do VMware vRealize® Log Insight™.*

PRINCIPAIS BENEFÍCIOS

- Redução da complexidade de gerenciamento e do tempo gasto em implantações em grande escala
- Experiência uniforme de nuvem híbrida ao oferecer visibilidade unificada, capacidade de gerenciamento e operações em ambientes no local e em uma nuvem pública com base no vSphere
- Análise e correção rápidas de problemas com visibilidade na infraestrutura virtual do vSphere
- Segurança e disponibilidade do vSphere por meio de recursos automatizados de gerenciamento proativo, como balanceamento de carga automatizado e fluxos de trabalho de automação prontos para uso
- Recursos de virtualização estendidos usando soluções do ecossistema de terceiros
- O vSphere 6.7 é duas vezes mais rápido do que o vSphere 6.5 em termos de operações do vCenter por segundo
- Operações relacionadas a DRS três vezes mais rápidas no vCenter Server Appliance 6.7
- Uso de memória três vezes menor com o vCenter Server Appliance 6.7

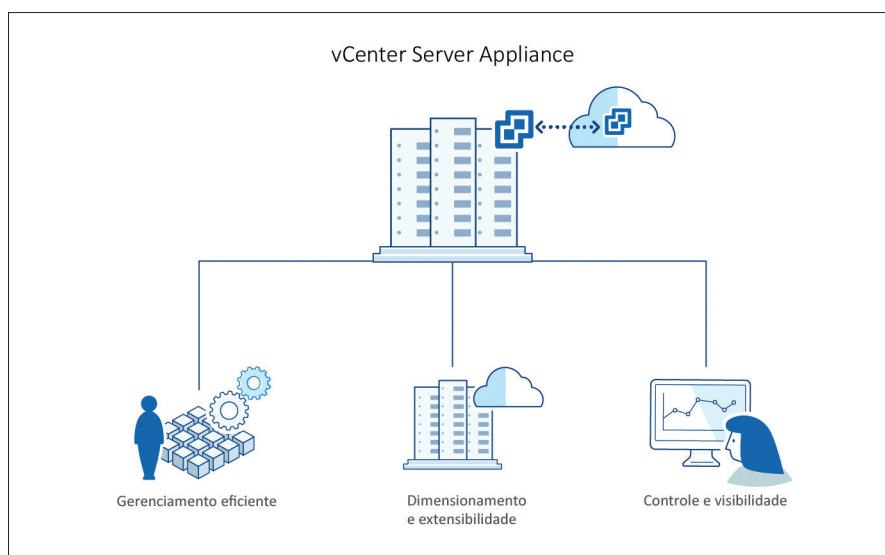


Figura 1: o vCenter Server proporciona gerenciamento centralizado e proativo para a infraestrutura virtual do vSphere.

O que é o VMware vCenter Server?

O VMware vCenter Server oferece um gerenciamento centralizado da infraestrutura virtual do vSphere. Os administradores de TI podem garantir a segurança e a disponibilidade, simplificar as tarefas diárias e reduzir a complexidade do gerenciamento da infraestrutura virtual.

Como o vCenter Server funciona?

Controle centralizado e visibilidade em todos os níveis

O vCenter Server oferece gerenciamento centralizado de hosts virtualizados e máquinas virtuais a partir de um console único. Ele oferece aos administradores visibilidade aprofundada da configuração dos componentes críticos de uma infraestrutura virtual, tudo a partir de um lugar.

Com o vCenter Server, os ambientes virtuais são mais fáceis de gerenciar: um único administrador pode gerenciar centenas de cargas de trabalho, mais que o dobro da produtividade típica ao gerenciar a infraestrutura física. Como o vCenter Server Appliance™ é fornecido no Photon OS, não há nenhuma dependência de patches e upgrades de terceiros. O tempo de resolução de problemas é reduzido consideravelmente com a inclusão de uma licença complementar do [Log Insight](#)®.

* Disponível para versões do Log Insight até à 4.6, até o fim do suporte geral do vRealize Log Insight 4.6 em 23 de agosto de 2019.

Infraestrutura virtual fornecida com confiança

O cumprimento consistente dos contratos de nível de serviço (SLAs) de aplicativos essenciais aos negócios requer um gerenciamento automatizado e proativo para maximizar os recursos do vSphere. Entre os principais recursos habilitados pelo vCenter Server estão: VMware vSphere vMotion®, VMware vSphere Distributed Resource Scheduler™, VMware vSphere High Availability (HA) e VMware vSphere Fault Tolerance. O VMware vRealize Orchestrator™ também possibilita aos administradores criar e implementar facilmente os fluxos de trabalho recomendados.

Com um gerenciamento automatizado proativo, o vCenter Server atende aos níveis de serviço ao aprovisionar dinamicamente novos serviços, balancear recursos e automatizar a alta disponibilidade.

Plataforma extensível

A arquitetura de plug-in aberta do vCenter Server é compatível com uma ampla variedade de recursos adicionais da VMware e de seus parceiros. Centenas de parceiros da VMware fazem integração com o vCenter Server, habilitando novos recursos, como gerenciamento de capacidade, gerenciamento de conformidade, continuidade de negócios e monitoramento de armazenamento. As APIs do vCenter Server também acompanham a integração das ferramentas de gerenciamento virtual e físico para que se possa obter máxima flexibilidade.

O VMware vCenter Hybrid Linked Mode permite a extensibilidade para o data center no local e para a nuvem pública baseada no vSphere. Agora os administradores têm um painel único para gerenciar e visualizar seu ambiente de nuvem híbrida.

Como o vCenter Server é utilizado?

As empresas enfrentam uma pressão cada vez maior para oferecer uma infraestrutura de TI com o menor custo possível e atender aos SLAs de maneira sistemática. Graças ao gerenciamento centralizado e proativo da infraestrutura virtual, as empresas podem garantir que a TI atenda, de forma consistente, às necessidades do negócio.

O vSphere é a plataforma de virtualização líder do setor. Ele permite que os usuários executem os aplicativos essenciais aos negócios com confiança e respondam às necessidades comerciais mais rapidamente, ao operar com o menor custo possível.

Principais recursos

Controle e visibilidade centralizados

vSphere Client com base em HTML 5 – um vSphere Client eficiente com base em HTML5 oferece funcionalidade de ponta.

vCenter Single Sign-on – simplifique a administração permitindo que os usuários façam login uma vez e acessem todas as instâncias do vCenter Server sem autenticação adicional.

Pesquisa de inventário – tenha acesso a todo o inventário do vCenter Server, incluindo máquinas virtuais, hosts, datastores e redes, ao alcance de sua mão.

Alertas e notificações – apoie novas entidades, métricas e eventos, como alarmes específicos do datastore e da máquina virtual. Esses alarmes podem acionar novos fluxos de trabalho automatizados para corrigir e prevenir problemas.

Backup e restauração nativos – opção de backup baseado em arquivos pronta para uso com uma interface de usuário simples, o que elimina a dependência de soluções de backup de terceiros para proteger os vCenter Servers e os Platform Services Controllers.

Programador de backup e restauração – programe os backups do vCenter Server Appliance e controle o número de backups retidos. Use as APIs REST para reduzir a complexidade do backup e da restauração.

Ferramenta de migração – permite a migração de dados de um Windows vCenter Server 5.5 ou 6.0 e um upgrade do vCenter Server Appliance.

vCenter Server High Availability – proteja o vCenter Server Appliance e os serviços relacionados com a alta disponibilidade nativa e um RTO de menos de 10 minutos.

Ferramenta de conversão do VMware vCenter Server – migre facilmente a topologia do vCenter Server Appliance com PSC externo para o vCenter Server Appliance com PSC integrado.

Gerenciamento proativo

Perfis de host – padronize e simplifique a maneira de configurar e gerenciar as configurações de host do VMware ESXi™. Obtenha o modelo de uma configuração conhecida e validada, incluindo parâmetros de rede, armazenamento e segurança, e implante-o em muitos hosts, simplificando o processo de configuração. As políticas de perfil de host também podem monitorar a conformidade.

Gerenciamento de recursos para máquinas virtuais – aloque os recursos de processamento e memória para as máquinas virtuais em execução nos mesmos servidores físicos. Estabeleça cotas mínimas, máximas e proporcionais de recursos de CPU, memória, disco e largura de banda da rede. Modifique as alocações enquanto as máquinas virtuais estão em execução. Permita que os aplicativos adquiram dinamicamente mais recursos para dar conta de picos de desempenho.

Alocação dinâmica de recursos – o vCenter Server monitora continuamente a utilização pelos pools de recursos, alocando os recursos disponíveis de maneira inteligente entre as máquinas virtuais de acordo com regras predefinidas que refletem as necessidades e prioridades inconstantes dos negócios. O resultado é um ambiente de TI altamente otimizado, eficiente, autogerenciado e com balanceamento de carga incorporado.

Aprovisionamento de uma versão mista Cross-vCenter – permita operações de provisionamento cross-vCenter, como vMotion, clone completo e migração a frio, entre diferentes versões do vCenter. Ideal para soluções de nuvem híbrida.

Reinicialização automática de VMs com o VMware vSphere HA – reinicie automaticamente as VMs com falha sem nenhuma intervenção manual.

Trilhas de auditoria – mantenha registros das alterações de configuração significativas e exporte os relatórios para rastreamento de eventos.

Gerenciamento unificado de patches e upgrades – os recursos do VMware vSphere Update Manager™ garantem a conformidade com o padrão de patches por meio de análise e aplicação automáticas de patches nos hosts ESXi on-line. Com a integração do vSphere Update Manager ao vCenter Server Appliance, a implantação e a configuração tornam-se mais fáceis.

Interface de gerenciamento de appliances – interface de usuário simples que mostra as estatísticas de rede e banco de dados, o espaço em disco, a integridade e as estatísticas de CPU e memória para tarefas operacionais e de monitoramento.

vRealize Orchestrator (incluído) – simplifique o gerenciamento por meio da automação de mais de 800 tarefas por meio de fluxos de trabalho prontos para uso ou da criação de fluxos de trabalho com o uso de uma interface simples, do tipo arrastar e soltar.

vRealize Log Insight for vCenter Server (versão light incluída) – resolva problemas de modo mais rápido graças à visualização adicional do Log Insight. Visualize tendências de eventos, ative alertas e muito mais, tudo em tempo real.*

* Disponível para versões do Log Insight até à 4.6, até o fim do suporte geral do vRealize Log Insight 4.6 em 23 de agosto de 2019.

**PARA OBTER MAIS INFORMAÇÕES OU
ADQUIRIR OS PRODUTOS VMWARE**

LIGUE PARA

877-4-VMWARE (fora da América do Norte, ligue para +1-650-427-5000),

ACESSE O SITE

<http://www.vmware.com/br/products>

ou pesquise um revendedor autorizado on-line. Para obter informações detalhadas sobre as especificações do produto e os requisitos do sistema, consulte a documentação do produto.

Plataforma extensível

Linked Mode – o vCenter Server fornece arquitetura e visibilidade dimensionáveis em várias instâncias do vCenter Server, com funções, permissões e licenças replicadas na infraestrutura. Você pode fazer logon, visualizar e pesquisar os inventários de todos os vCenter Servers simultaneamente.

Enhanced Linked Mode com PSC integrado – simplifique a topologia do vCenter Server por meio do vCenter com Platform Services Controller integrado. Vincule vários vCenters e tenha visibilidade de todo o ambiente sem a necessidade do Platform Services Controller externo ou de balanceadores de carga.

Hybrid Linked Mode – aproveite a visibilidade e capacidade de gerenciamento unificadas em um ambiente vSphere local executado em uma versão do vCenter Server Appliance e em um ambiente de nuvem pública com base no vSphere, como o VMware Cloud on AWS, executado em uma versão diferente.

APIs – a integração com os parceiros do ecossistema estende os recursos da infraestrutura virtual. As novas APIs permitem implantar o vCenter Server com base em um template.



VMWARE vSPHERE

Efficient and Secure Platform for your Hybrid Cloud

AT A GLANCE

VMware vSphere®, the industry-leading virtualization and cloud platform, is the efficient and secure platform for hybrid clouds, accelerating digital transformation by delivering simple and efficient management at scale, comprehensive built-in security, a universal application platform, and seamless hybrid cloud experience. The result is a scalable, secure infrastructure that provides enhanced application performance and can be the foundation of any cloud.

KEY BENEFITS

- Universal application platform
- Turbo-charged application performance
- Seamless hybrid cloud experience
- Efficient management at scale
- Comprehensive built-in security
- 53% reduction in cost of IT infrastructure management
- 54% decrease in downtime of tier-one applications
- 2.4x return on investment, within a year
- 30% improvement in visibility, availability, capacity utilization, and user satisfaction with IT End to end security architecture

About vSphere

VMware vSphere, the industry leading virtualization and cloud platform, is the efficient and secure platform for your hybrid clouds. It provides a powerful, flexible, and secure foundation for business agility that accelerates your digital transformation to hybrid cloud and success in the digital economy. vSphere supports both existing and next-gen workloads through simple and efficient management at scale, comprehensive built-in security that starts at the core, a universal application platform, and a seamless hybrid cloud experience. You can now run, manage, connect, and secure your applications in a common operating environment, across your hybrid cloud.

VMware vSphere with Operations Management™ is designed to help you achieve your unique business needs by providing better insights and better IT. It helps you improve your performance and avoid disruption, with intelligent operations from apps to storage providing simplified availability and comprehensive visibility in one place. And it helps free up time so you can focus on more strategic tasks by safely automating workload placement and resource optimization on your terms, with increased control based on pre-set customizable templates.

What's New in Version 6.7?

- **Scale Enhancements** – New configuration maximums to support even the largest app environments.
- **VMware vCenter Server® Appliance Linked Mode** – Support linked mode for vCenter Server Appliance with embedded Platform Services Controller, link multiple vCenters with no load balancers needed.

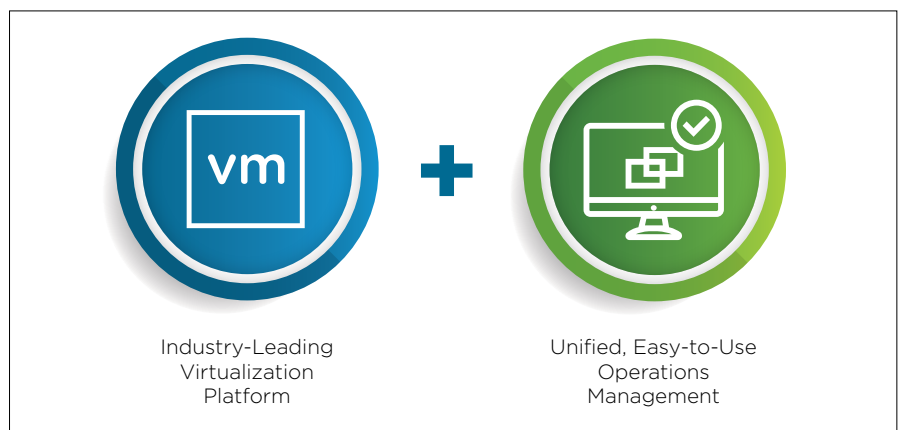


Figure 1: The industry-leading and most trusted virtualization platform with intelligent operations.

- **VMware vCenter Server® Appliance Back Up Scheduler** – Schedule vCenter Server Appliance backups. Full REST APIs for Backup and Restore
- **Single Reboot** – Dramatically reduce upgrade times by skipping a host reset
- **Quick Boot-** Reduce patching and upgrade times by rebooting the ESXi hypervisor without rebooting the physical host, skipping time-consuming hardware initialization
- **Support for 4K Native Storage** – Support high capacity drives to get enhanced performance at scale
- **Improved HTML 5 based vSphere Client** – Added functionality and easy management of connected components such as VMware NSX®, vSAN™, vSphere Update Manager (VUM) and third-party components
- **Security-at-Scale** – Policy-driven security that makes securing infrastructure operationally simple
- **Support for Trusted Platform Module (TPM) 2.0 and virtual TPM** – Enhanced security to protect the hypervisor and guest operating system against unauthorized access
- **Cross-vCenter Encrypted vMotion** – Encrypted vMotion capability across different VMware vCenter® instances and versions
- **Support for Microsoft's Virtualization Based Security (VBS)** – Run Windows VMs performant and securely on vSphere
- **NVIDIA GRID vGPU Enhancements** – Support for suspend and resume capabilities for vGPUs, to improve host lifecycle management and reduce end-user disruption
- **vSphere Persistent Memory** – Support for persistent memory, exposing it as block storage or as memory, to enhance performance for new as well as existing apps
- **Hybrid Linked Mode** – Unified visibility and manageability across an on-premises vSphere environment running on one version and a vSphere-based public cloud environment, such as VMware Cloud™ on AWS, running on a different version of vSphere
- **Per-VM Enhanced vMotion Compatibility (EVC)** – EVC is now an attribute of the VM instead of the processor generation, enabling seamless migration of workloads between on premises and the cloud
- **Cross-vCenter Mixed Version Provisioning** – Simplify provisioning across hybrid cloud environments that have different vCenter versions

Editions	vSphere Standard	vSphere Enterprise Plus	vSphere with Operations Management Enterprise Plus
Use Cases	Consolidate data center hardware and enable business continuity through server virtualization, VM-aware storage and live migration capabilities. Share data center resources across the boundaries of clusters. Get stronger virtualization security with enhanced endpoint protection.	Enhance application performance and availability to boost your business productivity with vSphere. Take control of resource management. Load balance workloads and prioritize access to resources to ensure top performance for your most important applications. Rapidly provision and deploy workloads in your virtual environment and move an entire running virtual machine from one physical server to another with no downtime.	Add intelligent operations management and automation to your data center through vSphere with Operations Management. Monitor and manage health and performance, plan and optimize capacity, intelligently place and rebalance workloads for application performance, use predictive analytics to get smart alerts and ensure security hardening compliance.
Product Components			
License Entitlement	Per 1 CPU	Per 1 CPU	Per 1 CPU
vSphere Edition	Standard	Enterprise Plus	Enterprise Plus
vRealize™ Operations™ Edition	-	-	Standard
Product Features			
Server Virtualization	•	•	•
VM-Aware Storage	•	•	•
API and Policy Driven Storage Capabilities	•	•	•
Support for 4K Native Storage	•	•	•
Single Reboot	•	•	•
Quick Boot	•	•	•
Live Migration of Workloads	Cross -vSwitch	Cross - vCenter/ Long Distance/ Cross Cloud	Cross - vCenter/ Long Distance/ Cross Cloud
Protect VM and Data	•	•	•
Support for TPM 2.0	•	•	•
Virtual TPM	•	•	•
FIPS 140-2 Compliance	•	•	•
Support for MSFT VBS	•	•	•

FIND OUT MORE

For information or to purchase VMware products, call 877.4.VMWARE (outside North America, +1.650.427.5000), visit www.vmware.com or search online for an authorized reseller. For detailed product specifications and system requirements, refer to [vSphere documentation](#).

Editions	vSphere Standard	vSphere Enterprise Plus	vSphere with Operations Management Enterprise Plus
Product Features			
Ensure System Uptime	•	•	•
Share Data Center Resources	•	•	•
Endpoint Security	•	•	•
Fault Tolerance	2-vCPU	8-vCPU	8-vCPU
vCenter Hybrid Linked Mode	•	•	•
Per-VM Enhanced vMotion Compatibility	•	•	•
Instant Clone	•	•	•
Proactive High Availability		•	•
VM-level Encryption		•	•
vSphere Integrated Containers		•	•
Centralized Network Management		•	•
Load Balancing		•	•
Prioritize Resources to Virtual Machines		•	•
Rapid Deployment and Provisioning		•	•
Accelerated Graphics for Virtual Machines		•	•
vSphere Persistent Memory		•	•
Health Monitoring and Performance Management			•
Capacity Optimization			•
Intelligent Workload Placement and Rebalance			•
Self-Learning and Predictive Analytics			•
Compliance through Security Hardening			•





HPE SIMPLIVITY 380 GEN10 G NODE (R2G96A)

Hyper Converged



WHAT'S NEW

- HPE SimpliVity 380 G now supports a dual disk resiliency option during deployment to handle dual disk failures in a disk group.
- HPE InfoSight for Server Integration - Will enable remote monitoring of server hardware failures for case creation.
- VMWare NSX-T VM Traffic Support
- HPE SimpliVity Firmware and ESXi decoupling from software releases and Maintenance Mode Enhancements
- HPE SimpliVity InfoSight streamlining of

OVERVIEW

Is complexity in your data center slowing you down?

HPE SimpliVity 380 gives IT organizations the agility and economics of the cloud with the control and governance of on-premises IT. It delivers a powerhouse Hyperconverged Solution optimized to support the world's most efficient and resilient data centers. This solution dramatically simplifies IT by combining infrastructure and advanced data services for virtualized workloads on a single device. Delivered on HPE ProLiant DL380 servers, the HPE SimpliVity 380 is a compact, scalable, 2U rack-mounted building block that consolidates server, storage, and storage networking services. By delivering

automated alerts, FIPS including FIPS support for InfoSight

- Backup Archiving via Cloud Bank and HPE StoreOnce Immutability for long term backup data protection

a complete set of advanced functionalities, SimpliVity solutions enable dramatic improvements in the operational efficiency, management, protection, and performance for general purpose virtualized workloads for a fraction of the cost and complexity compared to today's traditional infrastructure stack.

FEATURES

Complete Hyperconvergence in a Fully Integrated System

The HPE SimpliVity 380 combines x86 resources, storage, and storage networking in a single hyperconverged system with advanced functionality.

Simplifies management and delivers outstanding cost efficiency and agility.

Increased visibility and control of the entire virtualized environment via unified management.

Delivers orchestrated, simultaneous deployment and upgrades so you can deploy more simply and respond to business needs faster.

Unify virtual machines and infrastructure tasks to reduce virtual machine (VM) sprawl and over-provisioning.

Peak and Predictable Performance

The HPE SimpliVity 380 delivers an all-flash solution delivering predictable and near linear performance at near-wire speeds while reducing latency.

In-line deduplication, compression, and optimization helps reduce I/O and network traffic while dramatically shrinking backup window requirements.

On Demand Scale-in and Scale-out

The HPE SimpliVity 380 can easily expand or contract configurations as your needs change.

Each node supports a large number of fully protected virtual machines (VMs).

A networked collection of nodes at both local and remote sites are managed as a single entity.

Flexibility to expand node storage and add a second CPU (with additional memory) to 1P nodes within the field.

Federations scale up to 96 nodes. Heterogenous federation support (clusters of HPE SimpliVity 380 Gen9/Gen10 and legacy HPE SimpliVity can be federated with clusters of HPE SimpliVity 380 G, HPE SimpliVity 325 Gen10/Gen10 Plus v2 and HPE SimpliVity 2600 Gen10).

Advanced Data Services

The HPE SimpliVity 380 delivers always-on deduplication and compression to significantly reduce capacity utilization.

Built-in resiliency, backup, and disaster recovery for enterprise-grade data protection.

Policy-based, virtual machine (VM) centric management to streamline operations.

HPE SimpliVity RapidDR is a Disaster Recovery(DR) orchestration tool for HPE



SimpliVity platforms to simplify, automate, and accelerate offsite DR for rapid recovery of applications.

Optional Data at Rest Encryption (DARE) support.

Technical specifications

HPE SimpliVity 380 Gen10 G Node

Product Number	R2G96A
Number of processors	1 or 2 Intel Xeon® Scalable Processors, depending on configuration
Cores	8 to 28 cores per processor, depending on processor selected, minimum 16 cores on 380 G x6 SSD node required, minimum 22 cores on 380 G x8 SSD, G x12 SSD, G x16 SSD and G x24 SSD nodes are required.
Memory	128 GB to 3,072 GB per node, depending on configuration
Storage	1. Select one storage kit for the node 2. Choose either read intensive or mixed use drive configuration Read Intensive: Qty 1 of Q9Y49A (6x1.92 TB) is required for HPE SimpliVity 380 G 6x SSD; Qty 2 of R2Z28A (4x1.92 TB) is required for HPE SimpliVity 380 G 8x SSD; Qty 3 of R2Z28A (4x1.92 TB) is required for HPE SimpliVity 380 G 12x SSD; Qty 4 of R2Z28A (4x1.92 TB) is required for HPE SimpliVity 380 G 16x SSD; Qty 6 of R2Z28A (4x1.92 TB) is required for HPE SimpliVity 380 G 24x SSD
Ports	Ethernet 1Gb LOM embedded, 10Gb FLOM
Power	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Form factor	2U
Warranty	Server Warranty includes 3-year parts, 3-year labor, 3-year onsite support with next business day response. Additional information regarding worldwide limited warranty and technical support is available at: https://techlibrary.hpe.com/us/en/enterprise/servers/warranty/



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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Enterprise**

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Intel® is a trademark of Intel Corporation in the U.S. and other countries. Xeon® is a trademark of Intel Corporation in the U.S. and other countries.

Image may differ from the actual product
[PSN1011599675CAEN](#), September, 2022.

CERTIFICATE OF PARTNERSHIP

September 5th, 2022, Riga, Latvia

This is to confirm that

Brhost servicos digitais LTDA

Address:

Avenida Getulio Vargas, n581, Sala 4, Centro, Feira de
santana-BA, 44.001-325, Brazil
CNPJ: 35.614.414/0001-95

Is an authorized partner of

EnVers Group SIA (GOGETSSL)

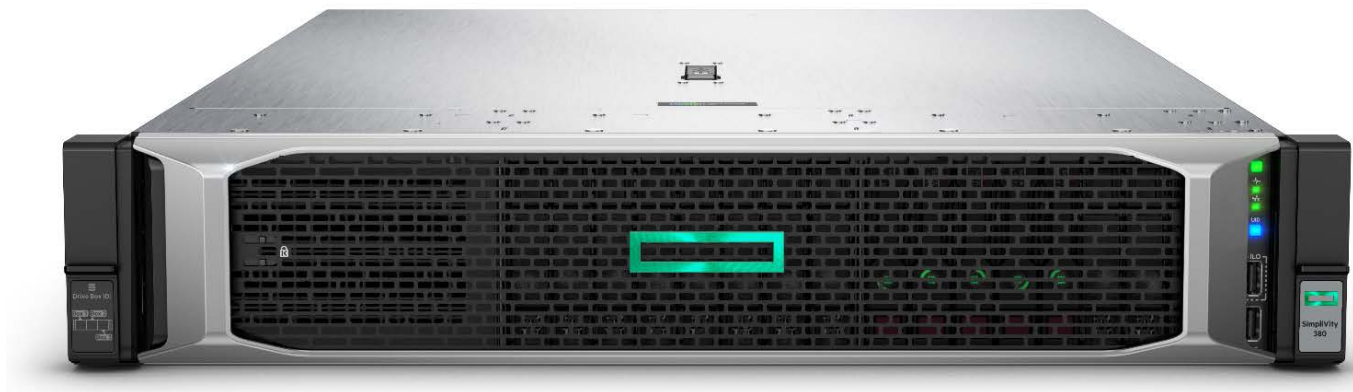
And has the authority to offer/resell/distribute SSL certificates
from Sectigo, GogetSSL, DigiCert, Thawte, GeoTrust, RapidSSL all over the World.



Overview

HPE SimpliVity 380 Gen10

HPE SimpliVity 380, based on the HPE ProLiant DL380 Gen10 Servers, is a compact, scalable, 2U rack-mounted building block that delivers integrated server, storage, and storage networking services. Adaptable for diverse virtualized workloads, the secure 2U HPE SimpliVity 380 Gen10 delivers world-class performance with the right balance of expandability and scalability. It also provides a complete set of advanced functionalities that enable dramatic improvements to the efficiency, management, protection, and performance—at a fraction of the cost and complexity of today's traditional infrastructure stack.



HPE SimpliVity 380 Gen10

What's New

- HPE SimpliVity now supports Single Disk and Dual Disk resiliency options at the time of Deployment
- HPE SimpliVity InfoSight Server Integration

Notes: For VMware and HW compatibility and software details, please visit:

<https://www.hpe.com/info/simplivity-interop-doc> or [HPE Support Center portal](#)

<https://support.hpe.com/hpsc/public/km/search?q=Simplivity&t=DriversandSoftware&sort=%40hpscuniversaldates%20descending&layout=table>

Standard Features

Scalable and Configurable

- Expandable in 1 node increments up to 96 total nodes
- Processor - Choice of Intel® Xeon® Scalable Processors
- Memory - 128GB to 3072GB (Per node depending on configuration)
- Network – 10/25Gb, 1Gb
- Power – Redundant
- Virtualization Software and Licensing
- All in a compact 2U form factor

Notes:

- It is strongly recommended that an HPE SimpliVity 380 cluster have a minimum of two nodes to realize the full benefits of the high availability hyperconverged solution.
- A single cluster supports up to 16 nodes. A single federation supports up to 96 nodes. See product documentation for details.

Software Features

- VMware vSphere
- HPE SimpliVity management plugin for VMware vCenter
- HPE Backup Archive to Cloud Bank
- HPE StoreOnce Integration
- Optional Data Encryption support
- Optional RapidDR support- HPE SimpliVity RapidDR is targeted to address SMB and Edge IT generalist persona DR orchestration needs with stringent SLAs around Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs)

Notes:

- For RapidDR information, please see the HPE SimpliVity RapidDR Data Sheet and QuickSpecs
 - o QuickSpecs: <https://h20195.www2.hpe.com/v2/getdocument.aspx?docname=a00018755enw>
- HPE SimpliVity 380 supports VMware vSphere & vCenter 6.7 and 7.0
- For VMware and HW compatibility, please see the HPE SimpliVity OmniStack Interoperability Guide <https://www.hpe.com/info/simplivity-interop-doc> or [HPE Support Center portal](#)

Hardware Availability Features

- Cluster expansion without downtime
- Choice of Single Disk resiliency or Dual Disk resiliency
- Hot-pluggable SSD
- Redundant power supplies
- Integrated storage controller with battery-backed cache
- HPE ProLiant Integrated Lights-Out Advanced (iLO) 5 Remote Management

Services

- HPE Pointnext full suite of support offerings (Tech Care, Tech Care and Complete Care).
- Remote support technology to provide 24x7 secure remote support

Notes: For the best support experience, HPE Pointnext Installation Services and 24x7x365 support recommended.



Standard Features

Features

HPE SimpliVity 380 Gen10	
Node Size	2U
Processors	2x Intel® Xeon® Scalable Processors 8 to 28 cores selectable, 1 or 2CPU options
Memory	144GB to 3072GB per node selectable
Storage	Two All Flash Storage Options (4000/6000 Series) and Five Capacity Points: Extra Small - 5 x 960GB SSD Kit Small - 5 x 1.92TB SSD Kit Medium - 9x 1.92TB SSD Kit Large - 12 x 1.92TB SSD Kit Extra Large – 12 x 3.84TB SSD Kit (4000 Series only)
Network Ports	Ethernet 1Gb LOM embedded, 10Gb FLOM
Power Supplies	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Hardware Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
Hardware Support	3-year HPE SimpliVity 380 Gen10 solution support (required)

Notes:

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.
- Two power supplies per node are required for redundancy. 800W power supplies are only supported with specific configurations.

HPE SimpliVity 380 Gen10 G (Networking Choice (NC) Models)	
Node Size	2U
Processors	2x Intel® Xeon® Scalable Processors 8 to 28 cores selectable, 1 or 2CPU options
Memory	128GB to 3072GB per node selectable
Storage	Two All Flash Storage Options (RI/MU) Five Capacity Options: 6 x 1.92TB SSD Kit – 7.5TB (usable) 8 x 1.92TB SSD Kit – 10TB (usable) 12 x 1.92TB SSD Kit- 15TB (usable) 16 x 1.92TB SSD Kit- 20TB (usable) 24 x 1.92TB SSD Kit- 32TB (usable)
Network Ports	10Gb FLOM Notes: Networking Choice (NC) models do not include an embedded NIC, additional options available via stand-up card NIC adapters to better suit customer needs
Power Supplies	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Hardware Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
Hardware Support	3-year HPE SimpliVity 380 Gen10 solution support (required)

Notes:

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.



Standard Features

- Two power supplies per node are required for redundancy. 800W power supplies are only supported with specific configurations.
- Network Choice (NC) models do not include an Ethernet 1Gb LOM embedded NIC. A pre-selected FlexibleLOM is included in the configuration with additional options available via stand-up card NIC adapters.

HPE SimpliVity 380 Gen10 G	
Node Size	2U
Processors	2x Intel® Xeon® Scalable Processors 8 to 28 cores selectable, 1 or 2CPU options
Memory	128GB to 3072GB per node selectable
Storage	Two All Flash Storage Options (RI/MU) Five Capacity Options: 6 x 1.92TB SSD Kit – 7.5TB (usable) 8 x 1.92TB SSD Kit – 10TB (usable) 12 x 1.92TB SSD Kit- 15TB (usable) 16 x 1.92TB SSD Kit- 20TB (usable) 24 x 1.92TB SSD Kit- 32TB (usable)
Network Ports	Ethernet 1Gb LOM embedded, 10Gb FLOM
Power Supplies	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Hardware Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
Hardware Support	3-year HPE SimpliVity 380 Gen10 solution support (required)

Notes:

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.
- Two power supplies per node are required for redundancy. 800W power supplies are only supported with specific configurations.

HPE SimpliVity 380 Gen10 H (Networking Choice (NC) Models)	
Node Size	2U LFF 2U SFF
Processors	2x Intel® Xeon® Scalable Processors 8 to 28 cores selectable, 1 or 2CPU options
Memory	192GB to 3072GB per node selectable
Storage	LFF Backup and Archive: 4 x 1.92TB SSD, 8 x 4.0TB HDD Kit – 25TB (usable) SFF General Purpose Virtualization: 4x 1.92TB, 20 x 1.2TB HDD- 20TB (usable)
Network Ports	10Gb FLOM Notes: Networking Choice (NC) models do not include an embedded NIC, additional options available via stand-up card NIC adapters to better suit customer needs
Power Supplies	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Hardware Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
Hardware Support	3-year HPE SimpliVity 380 Gen10 solution support (required)

Notes:

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.



Standard Features

- Two power supplies per node are required for redundancy. 800W power supplies are only supported with specific configurations.
- Network Choice (NC) models do not include an Ethernet 1Gb LOM embedded NIC. A pre-selected FlexibleLOM is included in the configuration with additional options available via stand-up card NIC adapters.

HPE SimpliVity 380 Gen10 H	
Node Size	2U LFF 2U SFF
Processors	2x Intel® Xeon® Scalable Processors 8 to 28 cores selectable, 1 or 2CPU options
Memory	192GB to 3072GB per node selectable
Storage	LFF Backup and Archive: 4 x 1.92TB SSD, 8 x 4.0TB HDD Kit – 25TB (usable) SFF General Purpose Virtualization: 4x 1.92TB, 20 x 1.2TB HDD- 20TB (usable)
Network Ports	Ethernet 1Gb LOM embedded, 10Gb FLOM
Power Supplies	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit
Hardware Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response
Hardware Support	3-year HPE SimpliVity 380 Gen10 solution support (required)

Notes:

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.
- Two power supplies per node are required for redundancy. 800W power supplies are only supported with specific configurations.

Benefits

HPE InfoSight for HPE SimpliVity enables predictive data analytics

For HPE SimpliVity nodes HPE InfoSight provides system details at the federation, cluster, and host level for historic capacity utilization, trends, resource consumption and prediction. Alleviates support issues and reduces operational expenses with automated wellness alerts and case creation. Provides a unified view of HPE SimpliVity assets such as Datastore, VM, Backups, Capacity, and IOPS.

Fully integrated system

Combines x86 resources, storage, and storage networking in a single hyperconverged system. Simplifies management and delivers great cost efficiency and agility with increased visibility and control.

Peak and predictable performance

The all-flash solution provides predictable and linear performance at near-wire speeds with reduced latency. Inline deduplication, compression, and optimization helps minimize I/O and network traffic, improving performance while delivering great storage and bandwidth efficiency.

Scale in and scale out

Easily expand or shrink configurations as your needs change. Each node supports a large number of fully protected virtual machines (VMs), with the networked collection of nodes at both local and remote sites managed as a single entity.

VM centricity and mobility

Enables all actions, policies, and management at the VM level. Global unified management and integration with established administrative systems streamline operations and improve IT agility.



Standard Features

Dramatic TCO reduction

Drastically reduce the need to purchase multiple discrete components, optimize storage capacity with guaranteed 10:1 data efficiency, and prevent over-provisioning for performance and capacity with on-demand expansion.

Cloud backup

HPE SimpliVity with **HPE Cloud Volumes Backup** enables simple, efficient, flexible backup directly to the cloud from data center or multiple, on-premises edge sites

Cloud storage

HPE SimpliVity with **Backup Archive to Cloud Bank** feature enables cloud storage via the regular Catalyst store to CloudBank store for long-term retention

Secondary, centralized backup

HPE SimpliVity with HPE StoreOnce protects data center and distributed edge sites by easily and efficiently replicating applications and data directly to a centralized HPE StoreOnce appliance for compliance and long-term retention requirements

Software Overview

Pre-integrated software

- HPE SimpliVity Startup Wizard

Virtualization Platform Software and Licenses

- HPE SimpliVity 380 Gen10 supports VMware vSphere ESXi.
- VMware vSphere installation is performed by HPE when ordering HPE SimpliVity 380 Gen10
- Valid licenses for the following VMware software components are available when ordering HPE SimpliVity 380 Gen10
 - (1 or 2) VMware vSphere license(s) per node depending on CPU count
 - (1) VMware vCenter license

Notes:

- HPE SimpliVity 380 supports VMware vSphere & vCenter 6.7 and 7.0
- For VMware and HW compatibility, please visit **HPE Support Center portal** or <https://www.hpe.com/info/simplivity-interop-doc>
- HPE SimpliVity 380 Gen10 for VMware vSphere requires valid VMware vSphere, and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).
- Purchasing VMware licenses from Hewlett Packard Enterprise allows Hewlett Packard Enterprise to be the single point of contact for the entire solution, inclusive of the virtualization software, and is recommended.

Management

- HPE InfoSight
- VMware vCenter
- HPE SimpliVity management plugin for VMware vCenter

Notes:

- The HPE SimpliVity 380 supports VMware vCenter 6.7 and 7.0
- For VMware and HW compatibility, please visit **HPE Support Center portal** or <https://www.hpe.com/info/simplivity-interop-doc>



Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services**, focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world.

- Get Faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Recommended Services

HPE Pointnext Tech Care*.

Notes: *Minimum required level of support is 3yr Tech Care Basic

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI Driven customer experience

<https://www.hpe.com/services/completechcare>



Service and Support

HPE Tech Care for HPE SimpliVity (choose the response level that meets your needs)

HPE Tech Care for HPE SimpliVity was designed to help meet your support needs effectively and efficiently. Receive all the benefits of HPE Tech Care (details are below) plus access specific self-serve tools, usage support, predictive notifications, and technical expertise that will give you control to manage your HPE SimpliVity solution and keep it reliable, stable, and at peak performance. Use the HPE SimpliVity forums with committed response time to answer questions or for questions where you require community feedback. Access how to videos, best practices from support experts to address common challenges, or find out about beneficial hints and tips. Ask HPE SimpliVity solution operational questions with HPE Tech Care for HPE SimpliVity.

HPE Tech Care gives customers an enhanced call experience. When your products are connected to HPE, Tech Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. HPE Tech Care is available in 3, 4, and 5 year terms with a choice of response levels: Next Business Day (NBD), 24x7 with a 4-hour response, and 24x7 with 6-hour call to repair (CTR). This Service combines both reactive support when there is a problem with an enhanced call experience and start to finish case management with proactive reporting and advice. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.).

Notes: Services for customers purchasing from Hewlett Packard Enterprise or an enterprise reseller are quoted using Hewlett Packard Enterprise order configuration tools.

Other Related Services

HPE Server Hardware Installation

Provides for the basic hardware installation of HPE branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner.

<https://h20195.www2.hpe.com/v2/getdocument.aspx?docname=5981-9356enw>

HPE Installation and Startup Service

Provides for the installation of your HPE hardware according to product specifications including options. The HPE service delivery technician will connect the product to a LAN as appropriate and enable remote support to allow for automatic case creation for hardware failures. Installation and start-up services also include the installation of one supported operating system type (Windows® or Linux)

HPE Service Credits

Offers flexible services and technical skills to meet your IT demands as your business evolves. With a menu of services, you can access additional resources and specialist skills to help you maintain peak performance of your IT. HPE Service Credits help you proactively respond to your dynamic IT and business needs.

HPE Education Services

Provides comprehensive training designed to expand the skills of your IT staff and keep them up to speed with the latest technologies.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Parts and Materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.



Service and Support

For more information

- <https://www.hpe.com/services>
- <https://www.hpe.com/us/en/services/operational.html>

To learn more on HPE Storage Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE" <https://www.hpe.com/us/en/contact-hpe.html>

HPE Support Services are sold by HPE and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
 - Customers purchasing from a commercial reseller can find HPE Support Services at <https://ssc.hpe.com/portal/site/ssc/>
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Configuration Information

HPE SimpliVity 380 Gen10: Overview for New System

Use the following steps to order a new SimpliVity 380 Gen10 system: processors, memory, storage, networking, power, other optional HW

Step 1: Begin with the base node

Step 2: Select the hardware options to add to the base node:

Step 3: The software license that corresponds to the node configuration will be automatically added

Step 4: Select service and support.

Step 1: Begin with the base node

Base Node

Select the base node

Description

HPE SimpliVity 380 Gen10 Node

VMware ESXi Option

SKU

Q8D81A

#001

Step 2: Select the hardware options to add to the base node

2nd Generation Intel® Xeon® Scalable Processors

Action:

- Select CPUs for the node
- In the case of Single CPU only L21 SKU will be included by the configurator.
- In the case of dual CPU: both the L21 and the B21 SKU will be included by the configurator.

Primary

Remarks

Description

SKU

8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02491-L21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02492-L21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02493-L21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02494-L21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02495-L21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02496-L21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02497-L21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02498-L21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02499-L21
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02501-L21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02502-L21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02503-L21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02504-L21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02509-L21



Configuration Information

Remarks	Description	SKU
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02510-L21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02512-L21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02514-L21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02516-L21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02517-L21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02518-L21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02521-L21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02524-L21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02525-L21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02526-L21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02527-L21
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P15758-L21
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23547-L21
10C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24465-L21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24466-L21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23553-L21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24467-L21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24468-L21
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24469-L21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24470-L21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24471-L21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24472-L21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24473-L21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24474-L21

Configuration Information

Secondary Remarks	Description	SKU
8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02491-B21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02492-B21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02493-B21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02494-B21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P02495-B21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02496-B21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) Processor Kit for HPE ProLiant DL380 Gen10	P02497-B21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02498-B21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02499-B21
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02501-B21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02502-B21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P02503-B21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) Processor Kit for HPE ProLiant DL380 Gen10	P02504-B21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02509-B21
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02510-B21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02512-B21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02514-B21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02516-B21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) Processor Kit for HPE ProLiant DL380 Gen10	P02517-B21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02518-B21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02521-B21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02524-B21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02525-B21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02526-B21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02527-B21
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P15758-B21



Configuration Information

Remarks	Description	SKU
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P23547-B21
10C 2.4GHz 100W	Intel Xeon-Silver 4210R (2.4GHz/10-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23549-B21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23550-B21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P24465-B21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P24466-B21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P23553-B21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24467-B21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24468-B21
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24469-B21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24470-B21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24471-B21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24472-B21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24473-B21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24474-B21

Memory

Action:

- Select a memory capacity for the node
- The appropriate memory and quantity will be included by the configurator
- 1 Kit required per CPU

DDR4-2933

Remarks	Description	SKU
6x 8GB AND 6x 16GB RDIMMs	HPE SimpliVity 144G(6x8/6x16) RDIMM Kit	R4C18A
12x 16GB RDIMMs	HPE SimpliVity 192GB (12x16GB) DDR4-2933 Registered Memory Kit	R4C19A
6x 32GB RDIMMs	HPE SimpliVity 192GB (6x32GB) DDR4-2933 Registered Memory Kit	R4C20A
6x 32GB AND 6x 8GB RDIMMs	HPE SimpliVity 240GB (6x32GB/6x8GB) DDR4-2933 Registered Memory Kit	R4C21A
4x 64GB RDIMMs	HPE SimpliVity 256GB (4x64GB) DDR4-2933 Registered Memory Kit	R4C22A
8x 32GB LRDIMMs	HPE SimpliVity 256GB (8x32GB) DDR4-2933 Registered Memory Kit	R4C23A
6x 32GB AND 6x 16GB RDIMMs	HPE SimpliVity 288GB (6x32GB/6x16GB) DDR4-2933 Registered Memory Kit	R4C26A
12x 32GB RDIMMs	HPE SimpliVity 384GB (12x32GB) DDR4-2933 Registered Memory Kit	R4C27A
6x 64GB RDIMMs	HPE SimpliVity 384GB (6x64GB) DDR4-2933 Registered Memory Kit	R4C28A
8x 64GB RDIMMs	HPE SimpliVity 512GB (8x64GB) DDR4-2933 Registered Memory Kit	R4C24A
6x 128GB LRDIMMs	HPE SimpliVity 768GB (6x128GB) DDR4-2933 Load Reduced Memory Kit	R4C30A
12x 64GB RDIMMs	HPE SimpliVity 768GB (12x64GB) DDR4-2933 Registered Memory Kit	R4C29A



Configuration Information

Remarks	Description	SKU
12x 128GB LRDIMMs	HPE SimpliVity 1.5TB (12x128GB) DDR4-2933 Load Reduced Memory Kit	R4C25A

Notes: For more information go to: <http://www.hpe.com/docs/memory-population-rules>

Networking

Action: A 10GbE FlexLOM is required. This is in addition to the standard 4 port 1GbE LOM included in the base node.

Remarks	Description	SKU
	HPE FlexFabric 10Gb 2-port FLR-SFP+ 57810S Adapter	700751-B21
	HPE FlexFabric 10Gb 2-port FLR-T 57810S Adapter	700759-B21
	HPE Ethernet 10/25Gb 2-port FLR-SFP28 MCX4121A-ACFT Adapter	817749-B21
	HPE FlexFabric 10Gb 4-port FLR-T 57840S Adapter	764302-B21

PCI Adapter

Action: Additional PCI Adapters can be added in the case of dual socket with secondary riser.

System Max.	Description	SKU
3	HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter	647594-B21
3	HPE Ethernet 10Gb 2-port SFP+ 57810S Adapter	652503-B21
3	HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter	656596-B21
3	HPE Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter	811546-B21
3	HPE Ethernet 10/25Gb 2-port SFP28 MCX4121A-ACUT Adapter	817753-B21

Power Supplies

Action: Two power supplies are required.

Remarks	Description	SKU
	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	865414-B21
	HPE 800W Flex Slot Universal Hot Plug Low Halogen Power Supply Kit	865428-B21
	HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit	865434-B21
	HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit	865438-B21
	HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	830272-B21

Notes:

- The power supply requirement can vary based on configuration and environment. 800W Power Supply is only supported with specific configurations. Please refer to HPE Power Advisor for proper power sizing.
- All configured nodes ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page.

<https://h20195.www2.hpe.com/v2/getpdf.aspx/4AA6-6836ENW.pdf>

Optional Fibre Channel HBA cards

Action: Optional FC HBAs may be added if slots are available

System Max.	Description	SKU
3	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	P9D94A
3	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	P9M76A

Optional GPUs

Action: Optional Graphic Accelerator (1) may be added in the case of dual CPU with secondary riser.

System Max.	Description	SKU
1	NVIDIA M10 Quad GPU Module for HPE	Q0J62A
1	NVIDIA T4 16GB Computational Accelerator for HPE	R0W29A

Power Cord Options

Action: Additional hardware options are available



Configuration Information

Remarks	Description	SKU
	HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord	AF557A
	HPE C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord	AF560A
	HPE C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord	AF561A
	HPE C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord	AF562A
	HPE SAFDGRID-SAFDGRID 277V 15Amp DC 2.0m Jumper Cord	J6X00A
	HPE 48VDC 2.85m Power Cable	Q0H80A
	HPE C13 - IS-1293 IN 250V 10Amp HV 2.5m Power Cord	SG579A
	HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
	HPE C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord	AF558A
	HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
	HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord	AF565A
	HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord	AF566A
	HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord	AF568A
	HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord	AF569A
	HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord	AF564A
	HPE C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord	AF572A
	HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord	AF570A

Notes:

- Network cables and transceivers are available in the Aruba and DataCenter Networking menus.
- Information on interoperability between network adapters, transceivers, and cables is available in network adapter QuickSpecs.
- For more information on HPE rack enclosures, review the QuickSpecs at: <https://www.hpe.com/us/en/product-catalog/servers/server-racks.hits-12.html>.

Additional Server Options

Action: Additional hardware options are available

Remarks	Description	SKU
	HPE DL380 Gen10 SFF Systems Insight Display Kit	826703-B21
	HPE DL3XX Gen10 Rear Serial Cable and Enablement Kit	873770-B21
	HPE 2U Small Form Factor Ball Bearing Rail Kit	720863-B21
	HPE 2U Cable Management Arm for Ball Bearing Rail Kit	720865-B21
	HPE 2U Small Form Factor Easy Install Rail Kit	733660-B21

Storage

Effective capacity varies by environment and is a function of realized deduplication and compression rates. The capacities in this table offer a conservative range based on compression and deduplication rates found in standard, primary storage use cases.

Action:

- Select one storage kit for the node
- The appropriate OmniStack software will be included by the configurator

Effective Capacity	Description	SKU
3-6TB	HPE SimpliVity 380 for 4000 Series Extra Small Storage Kit	Q8D90A
6-12 TB	HPE SimpliVity 380 for 4000 Series Small Storage Kit	Q8D91A
12-25TB	HPE SimpliVity 380 for 4000 Series Medium Storage Kit	Q8D92A
20-40TB	HPE SimpliVity 380 for 4000 Series Large Storage Kit	Q8D93A
40-80TB	HPE SimpliVity 380 for 4000 Series Extra Large Storage Kit	Q9J90A
3-6TB	HPE SimpliVity 380 for 6000 Series Extra Small Storage Kit	Q8D94A
6-12 TB	HPE SimpliVity 380 for 6000 Series Small Storage Kit	Q5V86A
12-25TB	HPE SimpliVity 380 for 6000 Series Medium Storage Kit	Q5V87A
20-40TB	HPE SimpliVity 380 for 6000 Series Large Storage Kit	Q5V88A



Configuration Information

Step 3: The software license that corresponds to the node configuration will be automatically added

Software

HPE OmniStack Software

Action:

- Based on the hardware configurations selected, the appropriate software will be included by the configurator.
- The software is determined by CPU and storage configuration and is required.

Remarks	Description	SKU
	HPE OmniStack 1P Extra Small SW	Q8A57A
	HPE OmniStack 2P Extra Small SW	Q8A58A
	HPE OmniStack 1P Small SW	Q8A59A
	HPE OmniStack 2P Small SW	Q8A60A
	HPE OmniStack 1P Medium SW	Q8A61A
	HPE OmniStack 2P Medium SW	Q8A62A
	HPE OmniStack 1P Large SW	Q8A63A
	HPE OmniStack 2P Large SW	Q8A64A
	HPE OmniStack 1P Extra Large SW	Q9J86A
	HPE OmniStack 2P Extra Large SW	Q9J87A

HPE Integrated Lights Out Advanced Software (iLO Advanced)

Action: The HPE iLO Advanced license is required

Remarks	Description	SKU
	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A

VMware Software

Action:

- A valid VMware vSphere license is required for each CPU to complete deployment.
- If an order is placed without VMware licenses, the user agrees to supply the necessary license.

vSphere

Remarks	Description	SKU
	VMware vSphere Standard 1 Processor 3yr E-LTU	BD711AAE
	VMware vSphere Enterprise Plus 1 Processor 3yr Software	BD715A
	VMware vSphere Enterprise Plus 1 Processor 3yr E-LTU	BD715AAE
	VMware vSphere Remote Office Branch Office Standard 25VM 3yr E-LTU	P9A82AAE
	VMware vSphere Remote Office Branch Office Advanced 25VM 3yr E-LTU	P9A85AAE
	VMware vSphere Standard 1 Processor 5yr Software	BD512A
	VMware vSphere Standard 1 Processor 5yr E-LTU	BD512AAE
	VMware vSphere Enterprise Plus 1 Processor 5yr Software	BD514A
	VMware vSphere Enterprise Plus 1 Processor 5yr E-LTU	BD514AAE

Notes:

- The HPE SimpliVity 380 supports VMware vSphere 6.5, 6.7 and 7.0
- For VMware and HW compatibility, please see the interoperability guide **HPE SimpliVity OmniStack Interoperability Guide** or **HPE Support Center portal** (<https://www.hpe.com/support/hpesc>). HPE SimpliVity 380 Gen10 for VMware vSphere requires valid VMware vSphere, and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has a valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).
- Purchasing VMware licenses from Hewlett Packard Enterprise allows Hewlett Packard Enterprise to be the single point of contact for the entire solution inclusive of the virtualization software and is recommended. When the VMware license is not included on the order the solution level support experience is impacted.



Configuration Information

vCenter

Optional vCenter License

Remarks	Description	SKU
	VMware vCenter Server Standard for vSphere (per Instance) 3yr E-LTU	P9U41AAE
	VMware vCenter Server Standard for vSphere (per Instance) 5yr E-LTU	P9U42AAE

Notes:

- The HPE SimpliVity 380 supports VMware vCenter 6.5, 6.7 and 7.0
- For VMware and HW compatibility, please see the <https://www.hpe.com/info/simplivity-interop-doc> or **HPE Support Center portal**
- The customer is responsible for ensuring licensing compliance on all running virtual machines. Licenses may be added to the order as standalone items from the catalog. Licenses added at the node level will be cloned with the node.
- Information on available licenses for non-preinstalled Operating Systems can be found on the relevant product pages:
 - o Microsoft Windows Server 2016: <https://www.hpe.com/us/en/product-catalog/detail/pip.microsoft-windows-server-2016.1009480090.html>
 - o Red Hat Enterprise Linux: <https://www.hpe.com/us/en/product-catalog/detail/pip.5393115.html>
 - o SUSE Linux Enterprise Server: <https://www.hpe.com/us/en/product-catalog/detail/pip.5379857.html>

HPE SimpliVity 380 Gen10 G: Overview for New System

Use the following steps to order a new SimpliVity 380 Gen10 system:

Step 1: Begin with the base node

Step 2: Select the hardware options to add to the base node: processors, memory, storage, networking, power, other optional HW

Step 3: The software license that corresponds to the node configuration will be automatically added

Step 4: Select service and support.

Step 1: Begin with the base node

Base Node

Action:

Select the base node

VMware tracking SKU added automatically

User selection required for Single Disk Resiliency or Dual Disk Resiliency

Remarks	Description	SKU
	HPE SimpliVity 380 Gen10 G Node	R2G96A
	HPE SimpliVity 380 Gen10 NC G Node	R6A82A
	HPE SimpliVity 380 Gen10 Node with VMware Tracking	R2G97A

Step 2: Select the hardware options to add to the base node

Processors

2nd Generation Intel® Xeon® Scalable Processors

Action:

Select CPUs for the node

In the case of Single CPU only L21 SKU will be included by the configurator.

In the case of dual CPU: both the L21 and the B21 SKU will be included by the configurator



Configuration Information

Primary Remarks	Description	SKU
8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02491-L21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02492-L21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02493-L21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02494-L21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02495-L21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02496-L21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02497-L21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02498-L21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02499-L21
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02501-L21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02502-L21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02503-L21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02504-L21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02509-L21
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02510-L21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02512-L21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02514-L21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02516-L21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02517-L21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02518-L21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02521-L21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02524-L21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02525-L21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02526-L21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02527-L21



Configuration Information

Remarks	Description	SKU
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P15758-L21
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23547-L21
10C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24465-L21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24466-L21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23553-L21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24467-L21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24468-L21
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24469-L21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24470-L21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24471-L21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24472-L21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24473-L21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24474-L21
Secondary		
8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02491-B21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02492-B21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02493-B21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02494-B21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P02495-B21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02496-B21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) Processor Kit for HPE ProLiant DL380 Gen10	P02497-B21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02498-B21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02499-B21



Configuration Information

Remarks	Description	SKU
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02501-B21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02502-B21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P02503-B21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) Processor Kit for HPE ProLiant DL380 Gen10	P02504-B21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02509-B21
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02510-B21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02512-B21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02514-B21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02516-B21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) Processor Kit for HPE ProLiant DL380 Gen10	P02517-B21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02518-B21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02521-B21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02524-B21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02525-B21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02526-B21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02527-B21
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P15758-B21
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P23547-B21
10C 2.4GHz 100W	Intel Xeon-Silver 4210R (2.4GHz/10-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23549-B21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23550-B21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P24465-B21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P24466-B21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P23553-B21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24467-B21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24468-B21

Configuration Information

Remarks	Description	SKU
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24469-B21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24470-B21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24471-B21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24472-B21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24473-B21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24474-B21

Notes: Network Choice (NC) server models must be selected for 2nd Generation Intel Xeon® Scalable “Refresh” (R) Processors for the SimpliVity 380 G and 380 H Models

Memory

Action:

- Select a memory capacity for the node
- The appropriate memory and quantity will be included by the configurator
- 1 Kit required per CPU

DDR4-2933

Remarks	Description	SKU
8x P00920-K21	HPE SimpliVity 128GB (8x16GB) DDR4-2933 Registered Memory Kit	R4C17A
6x P00918-K21, 6xP00920-K21	HPE SimpliVity 144G(6x8/6x16) RDIMM Kit	R4C18A
12x P00920-K21	HPE SimpliVity 192GB (12x16GB) DDR4-2933 Registered Memory Kit	R4C19A
6x P00924-K21	HPE SimpliVity 192GB (6x32GB) DDR4-2933 Registered Memory Kit	R4C20A
6x P00924-K21, 6x P00918-K21	HPE SimpliVity 240GB (6x32GB/6x8GB) DDR4-2933 Registered Memory Kit	R4C21A
4x P00930-K21	HPE SimpliVity 256GB (4x64GB) DDR4-2933 Registered Memory Kit	R4C22A
8x P00924-K21	HPE SimpliVity 256GB (8x32GB) DDR4-2933 Registered Memory Kit	R4C23A
6x P00924-K21, 6x P00922-K21	HPE SimpliVity 288GB (6x32GB/6x16GB) DDR4-2933 Registered Memory Kit	R4C26A
12x P00924-K21	HPE SimpliVity 384GB (12x32GB) DDR4-2933 Registered Memory Kit	R4C27A
6x P00930-K21	HPE SimpliVity 384GB (6x64GB) DDR4-2933 Registered Memory Kit	R4C28A
8x P00930-K21	HPE SimpliVity 512GB (8x64GB) DDR4-2933 Registered Memory Kit	R4C24A
6x P11040-K21	HPE SimpliVity 768GB (6x128GB) DDR4-2933 Load Reduced Memory Kit	R4C30A
12x P00930-K21	HPE SimpliVity 768GB (12x64GB) DDR4-2933 Registered Memory Kit	R4C29A
12x P11040-K21	HPE SimpliVity 1.5TB (12x128GB) DDR4-2933 Load Reduced Memory Kit	R4C25A

Notes:

- For more information go to: <http://www.hpe.com/docs/memory-population-rules>
- DDR4-2933 Memory Kits are only supported with 2nd Generation Intel Xeon Scalable Series Processors and DDR4-2666 Memory Kits are only supported with 1st Generation Intel Xeon Scalable Series Processors

Networking

Action: One FlexLOM is required. This is in addition to the standard 4 port 1GbE LOM included in the base node

System Max	Description	SKU
1	HPE Ethernet 1Gb 4-port FLR-T BCM5719 Adapter	629135-B22
1	HPE Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter	665240-B21



Configuration Information

System Max	Description	SKU
1	HPE FlexFabric 10Gb 2-port FLR-T 57810S Adapter	700759-B21
1	HPE FlexFabric 10Gb 2-port FLR-SFP+ 57810S Adapter	700751-B21
1	HPE FlexFabric 10Gb 4-port FLR-T 57840S Adapter	764302-B21
1	HPE Ethernet 10/25Gb 2-port FLR-SFP28 BCM57414 Adapter	817709-B21
1	HPE Ethernet 10/25Gb 2-port FLR-SFP28 MCX4121A-ACFT Adapter	817749-B21

PCIe Adapter

Action: Optional PCIe Adapters can be added if slots are available. Additional PCIe slots are available in the case of dual CPU with secondary riser

System Max	Description	SKU
5	HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter	647594-B21
5	HPE Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter	811546-B21
5	HPE Ethernet 10Gb 2-port SFP+ 57810S Adapter	652503-B21
5	HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter	656596-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter	867328-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter	817718-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 MCX4121A-ACUT Adapter	817753-B21

Power Supplies

Action: Two power supplies are required.

Remarks	Description	SKU
	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	865414-B21
	HPE 800W Flex Slot Universal Hot Plug Low Halogen Power Supply Kit	865428-B21
	HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit	865434-B21
	HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit	865438-B21
	HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	830272-B21

Notes:

- The power supply requirement can vary based on configuration and environment. 800W Power Supply is only supported with specific configurations. Please refer to HPE Power Advisor for proper power sizing.
- All configured nodes ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page. <https://h20195.www2.hp.com/v2/getpdf.aspx/4AA6-6836ENW.pdf>

Optional Fibre Channel HBA cards

Action: Optional FC HBAs may be added if slots are available

System Max	Description	SKU
5	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	P9D94A
5	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	P9M76A

Notes:

- Additional network cables and transceivers are available in the Aruba and DataCenter Networking menus.
- Information on interoperability between network adapters, transceivers, and cables is available in network adapter QuickSpecs.

Optional GPUs

Action: Optional Graphic Accelerator (2) may be added in the case of dual CPU with secondary riser

System Max	Description	SKU
2	NVIDIA T4 16GB Computational Accelerator for HPE	ROW29A



Configuration Information

Additional Server Options

Action: Additional hardware options are available.

Remarks	Description	SKU
	HPE DL380 Gen10 SFF Systems Insight Display Kit	826703-B21
	HPE DL3XX Gen10 Rear Serial Cable and Enablement Kit	873770-B21
	HPE 2U Small Form Factor Ball Bearing Rail Kit	720863-B21
	HPE 2U Cable Management Arm for Ball Bearing Rail Kit	720865-B21
	HPE 2U Small Form Factor Easy Install Rail Kit	733660-B21

Storage

Action:

- Select one storage kit for the node
- Choose either read intensive or mixed-use drive configuration
- The appropriate OmniStack software will be included by the configurator
- Only the Read Intensive SSD drives are supported with the 24x SSD Kits

Read Intensive

- Qty 1 of Q9Y49A (6x1.92TB) is required for HPE SimpliVity 380 G 6x SSD
- Qty 2 of R2Z28A (4x1.92TB) is required for HPE SimpliVity 380 G 8x SSD
- Qty 3 of R2Z28A (4x1.92TB) is required for HPE SimpliVity 380 G 12x SSD
- Qty 4 of R2Z28A (4x1.92TB) is required for HPE SimpliVity 380 G 16x SSD
- Qty 6 of R2Z28A (6x1.92TB) is required for HPE SimpliVity 380 G 24x SSD

Mixed Use (Not available on the 380 G 24x SSD Kit)

- Qty 1 of R6A83A (6x1.92TB) is required for HPE SimpliVity 380 G 6x SSD
- Qty 2 of R4D38A (4x1.92TB) is required for HPE SimpliVity 380 G 8x SSD
- Qty 3 of R4D38A (4x1.92TB) is required for HPE SimpliVity 380 G 12x SSD
- Qty 4 of R4D38A (4x1.92TB) is required for HPE SimpliVity 380 G 16x SSD

Usable Capacity	Description	SKU
7.5TB	HPE SimpliVity 6x1.92TB SFF SSD Kit	Q9Y49A
	HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF (2.5in) 6-pack SSD	R6A83A
10/15/21TB	HPE SimpliVity 4x1.92TB SFF SSD Kit	R2Z28A
	HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF (2.5in) 4-pack SSD	R4D38A

Notes: Usable capacity is the capacity available after RAID and system overheads have been removed, before deduplication and compression is applied

Step 3: The software license that corresponds to the node configuration will be automatically added

HPE SimpliVity Software

Action: Based on the number of CPUs in the node, the appropriate software will be included by the configurator.

Remarks	Description	SKU
	HPE SimpliVity 380 G 1 Processor 7.5TB Software	R4D13A
	HPE SimpliVity 380 G 2 Processors 7.5TB Software	R4D14A
	HPE SimpliVity 380 1 Processor 10TB Software	R3V05A
	HPE SimpliVity 380 2 Processors 10TB Software	R3V06A
	HPE SimpliVity 380 G 1 Processor 15TB Software	R4D15A
	HPE SimpliVity 380 G 2 Processors 15TB Software	R4D16A
	HPE SimpliVity 380 G 1 Processor 21TB Software	R4D17A
	HPE SimpliVity 380 G 2 Processors 21TB Software	R4D18A
	HPE SimpliVity 380 G 1 Processor 30TB Software	R4D29A
	HPE SimpliVity 380 G 2 Processors 30TB Software	R4D30A

Configuration Information

VMware Software

Action:

- A valid VMware vSphere license is required for each CPU to complete deployment.
- If an order is placed without VMware licenses, the user agrees to supply the necessary license.

vSphere

Remarks	Description	SKU
	VMware vSphere Remote Office Branch Office Standard 25VM 3yr E-LTU	P9A82AAE
	VMware vSphere Remote Office Branch Office Standard 25VM 5yr E-LTU	P9A83AAE
	VMware vSphere Remote Office Branch Office Advanced 25VM 3yr E-LTU	P9A85AAE
	VMware vSphere Remote Office Branch Office Advanced 25VM 5yr E-LTU	P9A86AAE
	VMware vSphere Standard 1 Processor 3yr Software	BD711A
	VMware vSphere Standard 1 Processor 3yr E-LTU	BD711AAE
	VMware vSphere Enterprise Plus 1 Processor 3yr Software	BD715A
	VMware vSphere Enterprise Plus 1 Processor 3yr E-LTU	BD715AAE
	VMware vSphere Standard 1 Processor 5yr Software	BD512A
	VMware vSphere Standard 1 Processor 5yr E-LTU	BD512AAE
	VMware vSphere Enterprise Plus 1 Processor 5yr Software	BD514A
	VMware vSphere Enterprise Plus 1 Processor 5yr E-LTU	BD514AAE

Notes:

- HPE SimpliVity 380 Gen10 for VMware vSphere requires valid VMware vSphere and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).
- Purchasing VMware licenses from Hewlett Packard Enterprise allows Hewlett Packard Enterprise to be the single point of contact for the entire solution inclusive of the virtualization software and is recommended. When the VMware license is not included on the order the solution level support experience is impacted.

HPE Integrated Lights Out Advanced Software (iLO Advanced)

Action: The HPE iLO Advanced license is required

Remarks	Description	SKU
	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A
	HPE iLO Advanced Flexible Quantity License with 3yr Support on iLO Licensed Features	BD506A
	HPE iLO Advanced AKA Tracking License with 3yr Support on iLO Licensed Features	BD507A
	HPE iLO Advanced Electronic License with 3yr Support on iLO Licensed Features	E6U64ABE

HPE SimpliVity 380 Gen10 H: Overview for New System

Use the following steps to order a new SimpliVity 380 Gen10 system:

Step 1: Begin with the base node

Step 2: Select the hardware options to add to the base node: processors, memory, storage, networking, power, other optional HW

Step 3: The software license that corresponds to the node configuration will be automatically added

Step 4: Select service and support

Step 1: Begin with the base node

Base Node

Action:

- Select the base node
- VMware tracking SKU added automatically



Configuration Information

Remarks	Description	SKU
	HPE SimpliVity 380 Gen10 LFF H Node	R2Z00A
	HPE SimpliVity 380 Gen10 SFF H Node	R4D36A
	HPE SimpliVity 380 Gen10 LFF NC H Node	R6A80A
	HPE SimpliVity 380 Gen10 SFF NC H Node	R6A81A
	HPE SimpliVity 380 Gen10 Node with VMware Tracking	R2G97A

Step 2: Select the hardware options to add to the base node

Processors

1st Generation Intel® Xeon® Scalable Processors

Action:

- Select CPUs for the node
- In the case of Single CPU only L21 SKU will be included by the configurator.
- In the case of dual CPU: both the L21 and the B21 SKU will be included by the configurator

2nd Generation Intel® Xeon® Scalable Processors

Action:

- Select CPUs for the node
- In the case of Single CPU only L21 SKU will be included by the configurator.
- In the case of dual CPU: both the L21 and the B21 SKU will be included by the configurator

Primary

Remarks	Description	SKU
8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02491-L21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02492-L21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02493-L21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02494-L21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02495-L21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02496-L21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02497-L21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02498-L21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02499-L21
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02501-L21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02502-L21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02503-L21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02504-L21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02509-L21

Configuration Information

Remarks	Description	SKU
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02510-L21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02512-L21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02514-L21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02516-L21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02517-L21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02518-L21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02521-L21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02524-L21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02525-L21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02526-L21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P02527-L21
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P15758-L21
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23547-L21
10C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23550-L21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24465-L21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24466-L21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P23553-L21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24467-L21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24468-L21
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24469-L21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24470-L21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24471-L21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24472-L21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24473-L21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) FIO Processor Kit for HPE ProLiant DL380 Gen10	P24474-L21

Configuration Information

Secondary Remarks	Description	SKU
8C 2.1GHz 85W	Intel Xeon-Silver 4208 (2.1GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02491-B21
10C 2.2GHz 85W	Intel Xeon-Silver 4210 (2.2GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02492-B21
12C 2.2GHz 85W	Intel Xeon-Silver 4214 (2.2GHz/12-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02493-B21
8C 2.5GHz 85W	Intel Xeon-Silver 4215 (2.5GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02494-B21
16C 2.1GHz 100W	Intel Xeon-Silver 4216 (2.1GHz/16-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P02495-B21
10C 2.5GHz 85W	Intel Xeon-Gold 5215 (2.5GHz/10-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P02496-B21
8C 3.0GHz 125W	Intel Xeon-Gold 5217 (3.0GHz/8-core/115W) Processor Kit for HPE ProLiant DL380 Gen10	P02497-B21
16C 2.3GHz 125W	Intel Xeon-Gold 5218 (2.3GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02498-B21
18C 2.2GHz 125W	Intel Xeon-Gold 5220 (2.2GHz/18-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02499-B21
12C 2.7GHz 125W	Intel Xeon-Gold 6226 (2.7GHz/12-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02501-B21
20C 2.1GHz 125W	Intel Xeon-Gold 6230 (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02502-B21
8C 3.3GHz 130W	Intel Xeon-Gold 6234 (3.3GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P02503-B21
22C 2.1GHz 140W	Intel Xeon-Gold 6238 (2.1GHz/22-core/140W) Processor Kit for HPE ProLiant DL380 Gen10	P02504-B21
18C 2.6GHz 150W	Intel Xeon-Gold 6240 (2.6GHz/18-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02509-B21
16C 2.8GHz 150W	Intel Xeon-Gold 6242 (2.8GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02510-B21
8C 3.7GHz 150W	Intel Xeon-Gold 6244 (3.6GHz/8-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02512-B21
20C 2.5GHz 150W	Intel Xeon-Gold 6248 (2.5GHz/20-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02514-B21
24C 2.1GHz 150W	Intel Xeon-Gold 6252 (2.1GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P02516-B21
18C 3.1GHz 200W	Intel Xeon-Gold 6254 (3.1GHz/18-core/200W) Processor Kit for HPE ProLiant DL380 Gen10	P02517-B21
16C 2.2GHz 125W	Intel Xeon-Platinum 8253 (2.2GHz/16-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P02518-B21
24C 2.4GHz 165W	Intel Xeon-Platinum 8260 (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02521-B21
24C 2.9GHz 205W	Intel Xeon-Platinum 8268 (2.9GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02524-B21
26C 2.6GHz 205W	Intel Xeon-Platinum 8270 (2.7GHz/26-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02525-B21
28C 2.2GHz 165W	Intel Xeon-Platinum 8276 (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P02526-B21
28C 2.7GHz 205W	Intel Xeon-Platinum 8280 (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P02527-B21
12C 3.3GHz 165W	Intel Xeon-Gold 6246 (3.3GHz/12-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P15758-B21

Configuration Information

Remarks	Description	SKU
8C 1.9GHz 85W	Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) Processor Kit for HPE ProLiant DL380 Gen10	P23547-B21
10C 2.4GHz 100W	Intel Xeon-Silver 4210R (2.4GHz/10-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23549-B21
12C 2.4GHz 100W	Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) Processor Kit for HPE ProLiant DL380 Gen10	P23550-B21
8C 3.2GHz 130W	Intel Xeon-Silver 4215R (3.2GHz/8-core/130W) Processor Kit for HPE ProLiant DL380 Gen10	P24465-B21
20C 2.1GHz 125W	Intel Xeon-Gold 5218R (2.1GHz/20-core/125W) Processor Kit for HPE ProLiant DL380 Gen10	P24466-B21
24C 2.2GHz 150W	Intel Xeon-Gold 5220R (2.2GHz/24-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P23553-B21
16C 2.9GHz 150W	Intel Xeon-Gold 6226R (2.9GHz/16-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24467-B21
26C 2.1GHz 150W	Intel Xeon-Gold 6230R (2.1GHz/26-core/150W) Processor Kit for HPE ProLiant DL380 Gen10	P24468-B21
28C 2.2GHz 165W	Intel Xeon-Gold 6238R (2.2GHz/28-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24469-B21
24C 2.4GHz 165W	Intel Xeon-Gold 6240R (2.4GHz/24-core/165W) Processor Kit for HPE ProLiant DL380 Gen10	P24470-B21
20C 3.1GHz 205W	Intel Xeon-Gold 6242R (3.1GHz/20-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24471-B21
16C 3.4GHz 205W	Intel Xeon-Gold 6246R (3.4GHz/16-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24472-B21
24C 3.0GHz 205W	Intel Xeon-Gold 6248R (3.0GHz/24-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24473-B21
28C 2.7GHz 205W	Intel Xeon-Gold 6258R (2.7GHz/28-core/205W) Processor Kit for HPE ProLiant DL380 Gen10	P24474-B21

Notes: Network Choice (NC) server models must be selected for 2nd Generation Intel Xeon® Scalable “Refresh” (R) Processors for the SimpliVity 380 G and 380 H Models

Memory

Action:

- Select a memory capacity for the node
- The appropriate memory and quantity will be included by the configurator
- 1 Kit required per CPU

DDR4-2933

Details	Description	SKU
8x P00920-K21	HPE SimpliVity 128GB (8x16GB) DDR4-2933 Registered Memory Kit	R4C17A
6x P00918-K21, 6xP00920-K21	HPE SimpliVity 144G(6x8/6x16) RDIMM Kit	R4C18A
12x P00920-K21	HPE SimpliVity 192GB (12x16GB) DDR4-2933 Registered Memory Kit	R4C19A
6x P00924-K21	HPE SimpliVity 192GB (6x32GB) DDR4-2933 Registered Memory Kit	R4C20A
6x P00924-K21, 6x P00918-K21	HPE SimpliVity 240GB (6x32GB/6x8GB) DDR4-2933 Registered Memory Kit	R4C21A
4x P00930-K21	HPE SimpliVity 256GB (4x64GB) DDR4-2933 Registered Memory Kit	R4C22A
8x P00924-K21	HPE SimpliVity 256GB (8x32GB) DDR4-2933 Registered Memory Kit	R4C23A
6x P00924-K21, 6x P00922-K21	HPE SimpliVity 288GB (6x32GB/6x16GB) DDR4-2933 Registered Memory Kit	R4C26A



Configuration Information

Details	Description	SKU
12x P00924-K21	HPE SimpliVity 384GB (12x32GB) DDR4-2933 Registered Memory Kit	R4C27A
6x P00930-K21	HPE SimpliVity 384GB (6x64GB) DDR4-2933 Registered Memory Kit	R4C28A
8x P00930-K21	HPE SimpliVity 512GB (8x64GB) DDR4-2933 Registered Memory Kit	R4C24A
6x P11040-K21	HPE SimpliVity 768GB (6x128GB) DDR4-2933 Load Reduced Memory Kit	R4C30A
12x P00930-K21	HPE SimpliVity 768GB (12x64GB) DDR4-2933 Registered Memory Kit	R4C29A
12x P11040-K21	HPE SimpliVity 1.5TB (12x128GB) DDR4-2933 Load Reduced Memory Kit	R4C25A

Notes:

- For more information go to: <http://www.hpe.com/docs/memory-population-rules>
- DDR4-2933 Memory Kits are only supported with 2nd Generation Intel Xeon Scalable Series Processors and DDR4-2666 Memory Kits are only supported with 1st Generation Intel Xeon Scalable Series Processors

Networking

Action: One FlexLOM is required. This is in addition to the standard 4 port 1GbE LOM included in the base node

System Max	Description	SKU
1	HPE Ethernet 1Gb 4-port FLR-T BCM5719 Adapter	629135-B22
1	HPE Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter	665240-B21
1	HPE FlexFabric 10Gb 2-port FLR-T 57810S Adapter	700759-B21
1	HPE FlexFabric 10Gb 2-port FLR-SFP+ 57810S Adapter	700751-B21
1	HPE FlexFabric 10Gb 4-port FLR-T 57840S Adapter	764302-B21
1	HPE Ethernet 10/25Gb 2-port FLR-SFP28 BCM57414 Adapter	817709-B21
1	HPE Ethernet 10/25Gb 2-port FLR-SFP28 MCX4121A-ACFT Adapter	817749-B21

PCI Adapter

Action: Optional PCIe Adapters can be added if slots are available. Additional PCIe slots are available in the case of dual CPU with secondary riser.

System Max	Description	SKU
5	HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter	647594-B21
5	HPE Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter	811546-B21
5	HPE Ethernet 10Gb 2-port SFP+ 57810S Adapter	652503-B21
5	HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter	656596-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter	867328-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter	817718-B21
5	HPE Ethernet 10/25Gb 2-port SFP28 MCX4121A-ACUT Adapter	817753-B21
5	HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter	647594-B21

Power Supplies

Action: Two power supplies are required.

Remarks	Description	SKU
	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	865414-B21
	HPE 800W Flex Slot Universal Hot Plug Low Halogen Power Supply Kit	865428-B21
	HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit	865434-B21
	HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit	865438-B21
	HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	830272-B21

Notes:

- The power supply requirement can vary based on configuration and environment. 800W Power Supply is only supported with specific configurations. Please refer to HPE Power Advisor for proper power sizing. https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-c01510445



Configuration Information

- All configured nodes ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page. <https://h20195.www2.hpe.com/v2/getpdf.aspx/4AA6-6836ENW.pdf>

Optional Fibre Channel HBA cards

Action: Optional FC HBAs may be added if slots are available

System Max	Description	SKU
5	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	P9D94A
5	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	P9M76A

Notes:

- Additional network cables and transceivers are available in the Aruba and DataCenter Networking menus.
- Information on interoperability between network adapters, transceivers, and cables is available in the network adapter QuickSpecs

Additional Server Options

Action: Two power supplies are required.

Remarks	Description	SKU
	HPE DL3XX Gen10 Rear Serial Cable and Enablement Kit	873770-B21
	HPE 2U Large Form Factor Ball Bearing Rail Kit	720864-B21
	HPE 2U Cable Management Arm for Ball Bearing Rail Kit	720865-B21
	HPE 2U Large Form Factor Easy Install Rail Kit	733662-B21
	HPE 2U Cable Management Arm for Easy Install Rail Kit	733664-B21

Storage

HPE SimpliVity 380 H uses a hybrid storage configuration containing one kit of SSDs and one kit of HDDs.

Action:

- Select SSD + HDD storage kit for the node
- The appropriate OmniStack software will be included by the configurator

Usable Capacity	Description	SKU
25TB	HPE SimpliVity 4x1.92TB LFF SSD Kit	R2Z04A
	HPE SimpliVity 8x4TB LFF HDD Kit	R2Z01A
20TB	HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF (2.5in) 4-pack SSD	R4D38A
	HPE SimpliVity 1.2TB SAS 12G SFF (2.5in) 20-pack HDD	R4D37A

Notes:

- Usable capacity is the capacity available after RAID and system overheads have been removed, before deduplication and compression is applied

Step 3: The software license that corresponds to the node configuration will be automatically added

HPE OmniStack Software

Action: Based on the number of CPUs in the node, the appropriate software will be included by the configurator.

Remarks	Description	SKU
	HPE SimpliVity 380 H 1 Processor 25TB Software	R2Z79A
	HPE SimpliVity 380 H 2 Processors 25TB Software	R2Z80A
	HPE SimpliVity 380 H 1 Processor 20TB Software	R4D19A
	HPE SimpliVity 380 H 2 Processors 20TB Software	R4D20A

Configuration Information

VMware Software

Action:

- A valid VMware vSphere license is required for each CPU to complete deployment.
- If an order is placed without VMware licenses, the user agrees to supply the necessary license.

Remarks	Description	SKU
	VMware vSphere Remote Office Branch Office Standard 25VM 3yr E-LTU	P9A82AAE
	VMware vSphere Remote Office Branch Office Standard 25VM 5yr E-LTU	P9A83AAE
	VMware vSphere Remote Office Branch Office Advanced 25VM 3yr E-LTU	P9A85AAE
	VMware vSphere Remote Office Branch Office Advanced 25VM 5yr E-LTU	P9A86AAE
	VMware vSphere Standard 1 Processor 3yr Software	BD711A
	VMware vSphere Standard 1 Processor 3yr E-LTU	BD711AAE
	VMware vSphere Enterprise Plus 1 Processor 3yr Software	BD715A
	VMware vSphere Enterprise Plus 1 Processor 3yr E-LTU	BD715AAE
	VMware vSphere Standard 1 Processor 5yr Software	BD512A
	VMware vSphere Standard 1 Processor 5yr E-LTU	BD512AAE
	VMware vSphere Enterprise Plus 1 Processor 5yr Software	BD514A
	VMware vSphere Enterprise Plus 1 Processor 5yr E-LTU	BD514AAE

Notes:

- The HPE SimpliVity 380 supports VMware vSphere 6.7 and 7.0
- For VMware and HW compatibility, please see the interoperability guide [HPE SimpliVity OmniStack Interoperability Guide](#) or [HPE Support Center portal](#)
- HPE SimpliVity 380 Gen10 for VMware vSphere requires valid VMware vSphere and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).

HPE Integrated Lights Out Advanced Software (iLO Advanced)

Action: The HPE iLO Advanced license is required.

Remarks	Description	SKU
	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A
	HPE iLO Advanced Flexible Quantity License with 3yr Support on iLO Licensed Features	BD506A
	HPE iLO Advanced AKA Tracking License with 3yr Support on iLO Licensed Features	BD507A
	HPE iLO Advanced Electronic License with 3yr Support on iLO Licensed Features	E6U64ABE

HPE SimpliVity 380 Gen10: Storage Expansion/CPU add-on Overview

Use the following steps to expand Storage or perform a CPU add-on for your existing SimpliVity 380 Gen10 node:

Step 1: Start with the Expansion SKU

Step 2: Add the SW license that correlates to either a storage expansion or a CPU add-on configuration

Step 3: Select the hardware options to add either the storage drive kits or additional CPU and memory

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU.

Remarks	Description	SKU
	HPE SimpliVity 380 Gen10 Expansion Kit	R1F85A



Configuration Information

Step 2: If Storage expansion is needed, add the SW license from below that correlates to the desired expansion configuration

Action: Select the appropriate SW license according to the desired storage expansion configuration.

Remarks	Description	SKU
	HPE SimpliVity 380 1 Processor Small to Medium Storage Upgrade E-LTU	R1F86AAE
	HPE SimpliVity 380 2 Processors Small to Medium Storage Upgrade E-LTU	R1F88AAE
	HPE SimpliVity 380 1 Processor Medium to Large Storage Upgrade E-LTU	R1F87AAE
	HPE SimpliVity 380 2 Processors Medium to Large Storage Upgrade E-LTU	R1F89AAE

If a CPU add-on is needed, choose from the SW license below that correlate to the desired configuration for adding a second CPU

Action: Select the appropriate SW license if you would like to add a second CPU to an existing 1P SimpliVity 380 node.

Remarks	Description	SKU
	HPE SimpliVity 380 Additional Processor Extra Small Storage Upgrade E-LTU	R1F90AAE
	HPE SimpliVity 380 Additional Processor Small Storage Upgrade E-LTU	R1F91AAE
	HPE SimpliVity 380 Additional Processor Medium Storage Upgrade E-LTU	R1F92AAE
	HPE SimpliVity 380 Additional Processor Large Storage Upgrade E-LTU	R1F93AAE
	HPE SimpliVity 380 Additional Processor Extra Large Storage Upgrade E-LTU	R1F94AAE

Step 3: Select the hardware options to add either the storage drive kits or additional CPU and memory

Action: Select the appropriate storage upgrade kits based on the desired storage expansion configuration.

Remarks	Description	SKU
	HPE SimpliVity 380 Upgrade to Medium 4000 Series Storage Kit	R1F81A
	HPE SimpliVity 380 Upgrade to Large 4000 Series Storage Kit	R1F82A
	HPE SimpliVity 380 Upgrade to Medium 6000 Series Storage Kit	R1F83A
	HPE SimpliVity 380 Upgrade to Large 6000 Series Storage Kit	R1F84A

Action: Select these storage option if upgrading from a Small to a Medium configuration

Remarks	Description	SKU
	HPE Smart Array P816i-a SR Gen10 (16 Internal Lanes/4GB Cache/SmartCache)	804338-B21
	12G SAS Modular Controller	
	HPE DL38X Gen10 SFF Box1/2 Cage/Backplane Kit	826691-B21

Action: Select the Processor Heat Sink

Remarks	Description	SKU
	HPE DL380 Gen10 High Performance Heat Sink Kit	826706-B21

Action: Select the appropriate CPU for performing the CPU add-on to your existing 1P SimpliVity 380 nodes (from the list at the top of the QuickSpecs)

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

HPE provides a full range of support offers for these products. Tech Care is the minimum level of support, but Complete Care is also available.

Contact your local sales representative or channel partner for more details.

Installation services are required for these products. HA124A1#5ZD needs to be ordered in a quantity matching the sum of the software SKUs from Step 2.



Configuration Information

HPE SimpliVity 380 G: Storage Expansion/CPU add-on Overview

Use the following steps to expand Storage or perform a CPU add-on for your existing SimpliVity 380 G node:

Step 1: Start with the Expansion SKU

Step 2: Add the SW license that correlates to either a storage expansion or a CPU add-on configuration

Step 3: Select the hardware options to add either the storage drive kits or additional CPU and memory

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU.

Remarks	Description	SKU
	HPE SimpliVity 380 Gen10 G Expansion Kit	R6U13A

Step 2: If Storage expansion is needed, add the SW license from below that correlates to the desired expansion configuration

Action: Select the appropriate SW license according to the desired storage expansion configuration.

Choose from one of the following Redeployment Storage Expansion choices

380G x6 SSD → 380G x8 SSD

380G x8 SSD → 380G x12 SSD

380G x12 SSD → 380G x16 SSD

Remarks	Description	SKU
	HPE SimpliVity 380 G 1 Processor 1.92TB 6-pack to 8-pack SSD Upgrade E-LTU	R6T25AAE
	HPE SimpliVity 380 G 2 Processors 1.92TB 6-pack to 8-pack SSD Upgrade E-LTU	R6T31AAE
	HPE SimpliVity 380 G 1 Processor 1.92TB 8-pack to 12-pack SSD Upgrade E-LTU	R6T26AAE
	HPE SimpliVity 380 G 2 Processors 1.92TB 8-pack to 12-pack SSD Upgrade E-LTU	R6T32AAE
	HPE SimpliVity 380 G 1 Processor 1.92TB 12-pack to 16-pack SSD Upgrade E-LTU	R6T27AAE
	HPE SimpliVity 380 G 2 Processors 1.92TB 12-pack to 16-pack SSD Upgrade E-LTU	R6T33AAE

If a CPU add-on is needed, choose from the SW license below that correlate to the desired configuration for adding a second CPU

Action: Select the appropriate SW license if you would like to add a second CPU to an existing 1P SimpliVity 380 G node.

Remarks	Description	SKU
	HPE SimpliVity 380 G Additional Processor 1.92TB 6-pack SSD Upgrade E-LTU	R6V22AAE
	HPE SimpliVity 380 G Additional Processor 1.92TB 8-pack SSD Upgrade E-LTU	R6V23AAE
	HPE SimpliVity 380 G Additional Processor 1.92TB 12-pack SSD Upgrade E-LTU	R6V24AAE
	HPE SimpliVity 380 G Additional Processor 1.92TB 16-pack SSD Upgrade E-LTU	R6V25AAE
	HPE SimpliVity 380 G Additional Processor 1.92TB 24-pack SSD Upgrade E-LTU	R6V26AAE

Step 3: Select the hardware options to add either the storage drive kits or additional CPU and memory

Action: Select the appropriate storage upgrade kits based on the desired storage expansion configuration.

Remarks	Description	SKU
	HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF (2.5in) 2-pack SSD Upgrade Bundle	R6S94A

Action: Select the Processor Heat Sink

Remarks	Description	SKU
	HPE DL380 Gen10 High Performance Heat Sink Kit	826706-B21

Action: Select the appropriate CPU for performing the CPU add-on to your existing 1P SimpliVity 380 nodes (from the list at the top of the QuickSpecs)



Configuration Information

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

HPE provides a full range of support offers for these products. Tech Care is the minimum level of support, but Complete Care is also available.

Contact your local sales representative or channel partner for more details.

Installation services are required for these products. HA124A1#5ZD needs to be ordered in a quantity matching the sum of the software SKUs from Step 2.



Technical Specifications

Physical Dimensions

2U form factor: 3.44 x 26.75 x 17.54 in (8.73 x 67.94 x 44.54 cm)

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life Hewlett Packard Enterprise product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site at: <http://www.hpe.com/recycle>. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.



Summary of Changes

Date	Version History	Action	Description of Change
05-Jul-2022	Version 25	Changed	Overview, Service and Support and Configuration Information sections were updated Obsolete SKU – Q0J62A - removed
06-Dec-2021	Version 24	Changed	Overview, Standard Features and Configuration Information sections were updated Storage Expansion Section - SKUs added in Configuration Information for 380 G Expansion Obsolete SKUs were deleted in Configuration Information
18-Oct-2021	Version 23	Changed	Service and Support Pointnext Tech Care and Complete Care information updated
06-Jul-2021	Version 22	Changed	Configuration Information section was updated. Obsolete SKUs were removed from the QuickSpecs.
01-Mar-2021	Version 21	Changed	Overview, Standard Features, Service and Support, and Configuration Information sections were updated.
08-Sep-2020	Version 20	Changed	Configuration Information section was updated.
03-Aug-2020	Version 19	Changed	Overview and Configuration Information sections were updated. New branding applied to document.
04-May-2020	Version 18	Changed	Overview, Standard Features, and Configuration Information sections were updated.
02-Mar-2020	Version 17	Changed	Overview and Configuration Information sections were updated.
03-Feb-2020	Version 16	Changed	Overview, Standard Features and Configuration Information sections were updated.
04-Nov-2019	Version 15	Changed	Overview, Standard Features, and Configuration Information sections were updated. Added HPE SimpliVity 380 Gen10 G Model with 8x SSD drivers, added new 10TB SW Licenses and features for OmniStack Software v3.7.10
24-Oct-2019	Version 14	Added	Updated HPE SimpliVity 380 Gen10 sections
01-Jul-2019	Version 13	Changed	Overview and Configuration Information sections were updated
03-Jun-2019	Version 12	Changed	Added HPE SimpliVity 380 Gen10 G Model., Standard Features section was updated., obsolete SKUs were removed from the QuickSpecs. Service and Support section was updated.
18-Mar-2019	Version 11	Changed	Configuration Information section was updated.
		Added	SKUs added in Configuration Information: Q8A57A, Q8A58A, Q8A59A, Q8A60A, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A.
		Removed	SKUs deleted in Configuration Information: Q8A57A, Q8A58A, Q8A59A, Q8A60A, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A, Q8A65A, Q8A66A, Q8A67A, Q8A68A, Q8A69A, Q8A70A, Q8A71A, Q8A72A, Q9J88A, Q9J89A.
04-Mar-2019	Version 10	Changed	Overview, Standard Features, and Configuration sections were updated.
		Added	SKUs added in Configuration Information section (additional processors): 871619-L21, 869089-L21, 879423-L21, 871617-L21, 871618-L21, P00756-L21, 879424-L21, 869086-L21, 869088-L21, 871619-B21, 869089-B21, 879423-B21, 871617-B21, 871618-B21, P00756-B21, 879424-B21, 874752-B21, 873645-B21
04-Feb-2019	Version 9	Changed	Overview and Configuration Information sections were updated.
		Added	SKUs added in Configuration Information section: R1F85AAE, R1F86AAE, R1F88AAE, R1F87AAE, R1F89AAE, R1F90AAE, R1F91AAE, R1F92AAE, R1F93AAE, R1F94AAE, R1F81AAE, R1F82AAE, R1F83AAE, R1F84AAE, 804338-B21, 826691-B21, 826846-B21, 826848-B21, 826850-B21, 826852-B21, 826854-B21, 826856-B21, 826862-B21, 826866-B21, 826870-B21, 826878-B21, 826884-B21, 826888-B21, 876562-B21, 826886-B21, 826872-B21, 826860-B21, 826868-B21, 826874-B21, 869090-B21, 826890-B21, 826876-B21, 826882-B21, 826706-B21, R1Q89A, R1Q90A, R1Q91A, R1Q92A, R1Q93A, R1Q94A, R1Q95A, R1Q96A.

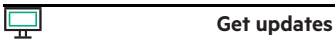
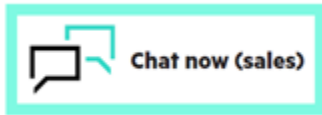
Summary of Changes

Date	Version History	Action	Description of Change
07-Jan-2019	Version 8	Changed	Configuration Information section was updated.
		Removed	SKUs were deleted: 871619-L21, 869089-L21, 879423-L21, 874762-L21, 871617-L21, 871618-L21.
05-Nov-2018	Version 7	Changed	Overview, and Configuration Information sections were updated.
		Added	SKUs added in Configuration Information: 764302-B21, Q0V80A.
		Removed	Obsolete SKUs were deleted in Configuration Information: J2R02A, J2R04A
07-May-2018	Version 6	Added	Standard Features and Configuration Information sections were updated.
05-Mar-2018	Version 5	Changed	Overview, Standard Features and Configuration Information sections were updated.
		Added	SKUs were added in Configuration Information section: 826872-B21, 826872-L21, 874762-B21, 874762-L21, Q9J90A, 700759-B21, 817749-B21, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A, Q8A69A, Q8A70A, Q8A71A, Q8A72A, Q9J88A, Q9J89A.
04-Dec-2017	Version 4	Changed	Standard Features, Configuration Information, Service and Support, and Technical Specifications sections were updated.
		Added	SKUs were added in Configuration Information: 874762-L21, Q8D94A, Q5V86A, Q5V87A, Q5V88A, 811546-B21.
06-Nov-2017	Version 3	Changed	Changes made to the document
02-Oct-2017	Version 2	Changed	Changes made to the entire document
25-Sep-2017	Version 1	New	QuickSpecs created.



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VMware NSX

A plataforma de virtualização de redes

RESUMO GERAL

O VMware NSX® é a plataforma de virtualização de redes do data center definido por software (SDDC), que leva o modelo operacional da máquina virtual para redes completas. Com o NSX, as funções de rede, como alternância, roteamento e firewall, são incorporadas no hypervisor e distribuídas em todo o ambiente. Isso acaba criando um "hypervisor de rede" que atua como plataforma para serviços e redes virtuais. De maneira semelhante ao modelo operacional de máquinas virtuais, as redes virtuais são provisionadas programaticamente e gerenciadas sem depender do hardware subjacente. O NSX reproduz todo o modelo de rede no software, permitindo que qualquer topologia de rede (de redes simples a complexas com diversas camadas) seja criada e provisionada em segundos. Os usuários podem criar várias redes virtuais com diversos requisitos, aproveitando uma combinação dos serviços que o NSX oferece para desenvolver ambientes inerentemente mais seguros.

PRINCIPAIS BENEFÍCIOS

- Microsegmentação e segurança detalhada fornecidas à carga de trabalho individual
- Redução do tempo de provisionamento de rede de dias para segundos e eficiência operacional aprimorada por meio de automação
- Mobilidade de carga de trabalho independente da topologia da rede física em todos os data centers
- Segurança aprimorada e serviços de rede avançados em uma rede de excelentes fornecedores externos

Virtualização de redes e SDDC

O VMware NSX fornece um modelo operacional totalmente novo para o sistema de rede que estabelece a base do data center definido por software. Como o NSX cria redes no software, os operadores de data center podem atingir níveis de agilidade, segurança e economia que não eram possíveis com as redes físicas. O NSX oferece um conjunto completo de serviços e elementos lógicos de sistema de rede que incluem alternância, roteamento, firewall, balanceamento de carga, VPN, qualidade de serviço (QoS, Quality of Service) e monitoramento lógicos. Esses serviços são provisionados em redes virtuais por qualquer plataforma de gerenciamento de nuvem que utiliza as interfaces de programação de aplicativos do NSX. As redes virtuais são implantadas continuamente em qualquer hardware de rede existente.

Recursos principais do NSX

Alternância	Ative extensões lógicas de sobreposição de camada 2 em uma malha roteada (L3) nos limites do data center. Suporte para sobreposições de rede baseadas em VXLAN.
Roteamento	Roteamento dinâmico entre redes virtuais executado de maneira distribuída no kernel do hypervisor, roteamento de dimensionamento horizontal com failover ativo-ativo com roteadores físicos. Compatível com protocolos de roteamento estático e dinâmico (OSPF, BGP).
Firewall distribuído	Firewall sem estado distribuído, incorporado ao kernel do hypervisor, para até 20 Gbps da capacidade do firewall por host do hypervisor. Suporte a Active Directory e monitoramento de atividades. Além disso, o NSX também pode fornecer um recurso de firewall norte-sul por meio do NSX Edge™.
Balanceamento de carga	Balanceador de carga L4-L7 com transferência de SSL e passagem direta, verificações de integridade do servidor e regras de aplicativo para programabilidade e manipulação de tráfego.
VPN	Recursos de site a site e VPN de acesso remoto, VPN não gerenciada para serviços de gateway em nuvem.
Gateway do NSX	Suporte a pontes de VXLAN a VLAN para conexão contínua a cargas de trabalho físicas. Esse recurso é nativo ao NSX e fornecido por switches top of rack de um parceiro da rede.
NSX API	Interface de programação de aplicativos do RESTful para integração com qualquer plataforma de gerenciamento de nuvem ou automação personalizada.

Operações	Recursos de operações nativas, como interface central de linha de comando, traceflow, SPAN e IPFIX para solucionar problemas e monitorar a infraestrutura proativamente. Integração com ferramentas, como VMware vRealize Operations e vRealize Log Insight, para técnicas de análise avançadas e solução de problemas.
Política de segurança dinâmica	O compositor de serviços do NSX permite a criação de grupos de segurança dinâmicos. Além do endereço IP e MAC, a associação de grupos de segurança pode ser baseada em objetos e tags do VMware vCenter, no tipo do sistema operacional e nas funções do Active Directory, a fim de permitir um recurso dinâmico de reforço da segurança.
Gerenciamento de nuvem	Integração nativa com o vRealize Automation e o OpenStack.
Integração com parceiros externos	Suporte à integração de gerenciamento, camada de controle e plano de dados com parceiros externos nas mais variadas categorias, tais como firewall de última geração, IDS/IPS, antivírus sem agente, controladores de fornecimento de aplicativos, alternância, operações e visibilidade, segurança avançada etc.
Rede e segurança do Cross vCenter	Amplie a rede e a segurança nos limites do vCenter e do data center, independentemente da topologia física subjacente, permitindo recursos como recuperação de desastres e data center ativo-ativo.
Gerenciamento de logs	Acelere a resolução de problemas com a visibilidade avançada do vRealize Log Insight para NSX. Visualize tendências de eventos, dispare alertas e muito mais, tudo em tempo real.

Casos de uso

Segurança

O NSX permite que as organizações dividam o data center logicamente em segmentos de segurança distintos até o nível da carga de trabalho individual, independentemente da sub-rede ou VLAN da carga de trabalho. Em seguida, as equipes de TI podem definir políticas e controles de segurança para cada carga de trabalho com base em grupos de segurança dinâmicos, o que garante respostas imediatas a ameaças no data center e aplicação em cada máquina virtual. Ao contrário das redes tradicionais, quando um invasor consegue passar pelos perímetros de defesa do data center, as ameaças não podem se mover lateralmente.

Automação

O NSX soluciona os desafios de provisionamento de rede demorado, erros de configuração e processos caros, pois automatiza as tarefas trabalhosas e propensas a erros. O NSX cria redes no software, eliminando gargalos associados a redes baseadas em hardware.

A integração nativa do NSX com plataformas de gerenciamento de nuvem, como vRealize Automation ou OpenStack, permite maior automação.

Continuidade de aplicativos

Como o NSX abstrai a rede do hardware subjacente, as políticas de rede e segurança estão anexadas às cargas de trabalho associadas. As organizações podem replicar facilmente todos os ambientes de aplicativos para data centers remotos para recuperação de desastres, movê-los de um data center corporativo a outro ou implantá-los em um ambiente de nuvem híbrida, tudo isso em questão de minutos, sem interromper os aplicativos e sem tocar na rede física.

Edições do VMware NSX

As novas ofertas do NSX permitem que mais clientes atendam aos requisitos específicos de virtualização de rede para dar os primeiros passos rumo ao data center definido por software.

Standard

Para organizações que precisam de agilidade e automação da rede

Advanced

Para organizações que precisam da edição Standard e também de um data center fundamentalmente mais seguro com microssegmentação

Enterprise

Para organizações que precisam da edição Advanced e também de rede e segurança em vários domínios

	STANDARD	ADVANCED	ENTERPRISE
Alternância e roteamento distribuídos	•	•	•
Firewall do NSX Edge	•	•	•
NAT	•	•	•
Ponte L2 do software para ambiente físico	•	•	•
Roteamento dinâmico com ECMP (ativo-ativo)	•	•	•
Automação orientada por interface de programação de aplicativos	•	•	•
Integração com o vRealize e o OpenStack	•	•	•
Gerenciamento de logs com o vRealize Log Insight para NSX	•	•	•
Automação de políticas de segurança com o vRealize		•	•
Balanceamento de carga do NSX Edge		•	•
Firewall distribuído		•	•
Integração com o Active Directory		•	•
Monitoramento de atividade dos servidores		•	•
Inserção de serviços (integração de terceiros)		•	•
Integração com o VMware AirWatch®		•	•
Cross vCenter NSX			•
Otimizações de vários sites do NSX			•
VPN (IPSEC e SSL)			•
Gateway remoto			•
Integração com endpoints de túnel de VXLAN (VTEPs, VXLAN Tunnel EndPoint) de hardware			•

Saiba mais

Para obter mais informações, acesse <http://www.vmware.com/br/products/nsx/>.

Mais detalhes sobre os recursos de edição de licenciamento do NSX podem ser encontrados em <https://kb.vmware.com/kb/2145269>.

Para obter informações sobre todos os produtos da VMware ou adquiri-los, ligue para 877-4VMWARE (fora da América do Norte, ligue para +1-650-427-5000), acesse o site <http://www.vmware.com/br/products> ou procure um revendedor autorizado na Internet.

