

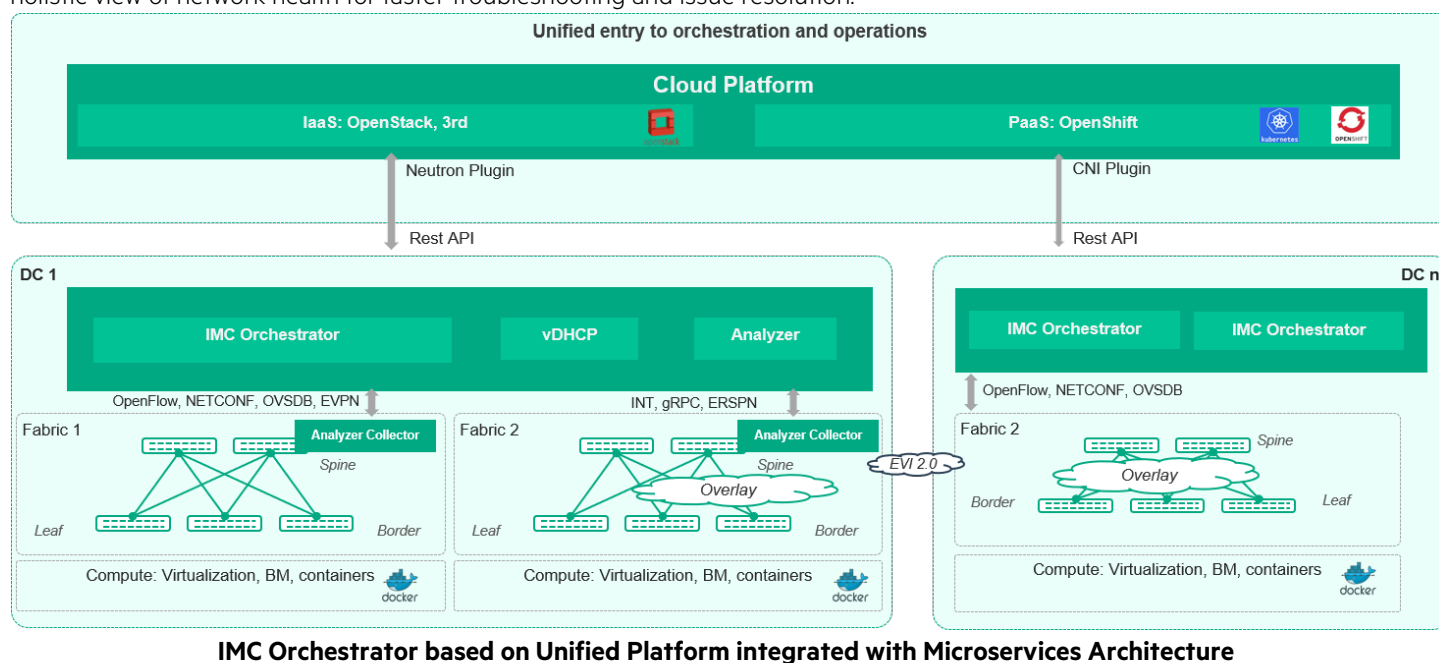
Overview

Shape the Future of QuickSpecs – Your Input Matters

HPE IMC Orchestrator and Analyzer

The HPE IMC Orchestrator and Analyzer is a solution that is designed to simplify network operations and management through orchestration, automation, and analytical capabilities. It is best suited for environments that are required to scale rapidly due to exponentially growing traffic from cloud, mobile, big data applications, and IoT.

The HPE IMC Orchestrator and Analyzer accelerates service delivery and enhances operational efficiency through its automated deployment capabilities for underlay and overlay network, service provisioning for VXLAN L2/L3 services, multi-tenant provisioning, and application performance insights with application telemetry. It also provides analytics and AI capabilities to offer a holistic view of network health for faster troubleshooting and issue resolution.



Key features

- Closed-loop orchestration solution that includes network design, simulation, deployment, and operations
- Automated, role-based deployment for underlay and overlay network fabric
- Automated service provisioning for VXLAN L2/L3 services.
- Support for standard protocols and open interface to ease integration with third-party management platforms
- AI-enabled network health monitoring with telemetry and visual dashboards for faster issue resolution
- Advanced data collection capabilities that offer visibility into application performance and user experience for near real-time network optimization.

Standard Features

Features and Benefits

Automated Deployment and Service Provisioning

- Unified, closed-loop orchestration encompassing network design, simulation, deployment, and operations
- Network fabric underlay automation including equipment deployment, expansion, and replacement
- On-demand, policy -based overlay automation
- Automated service provisioning for VXLAN L2/L3 services
- Automated provisioning of a variety of compute resources such as virtual machines, bare metal, and containers

Openness and Programmability

- Support for standard protocols: EVPN, VXLAN, OVSDB, NETCONF, INT, OpenFlow, gRPC, and ERSPAN
- Open interfaces for ease of integration with third-party network management platforms
- Support for standard northbound RESTful APIs allowing for enhanced programmability
- Support for standard southbound interfaces **including OpenFlow, NETCONF, and OVSDB**
- Control plane independence at switch level that offers flexibility to customize network operations based on specific business requirements
- Support for integration with OpenStack, Kubernetes and VMware vCenter

AI-based Network Management

- Support for gRPC and ERSPAN for precise data capture to the frequency of milliseconds
- Leverages distributed computing engines such as Spark and Flink for high reliability
- Support both online and offline data analysis
- AI and machine-learning algorithms for near real-time fault detection, risk prediction, and trend analysis
- Provides insights into application performance and application traffic visualization to monitor user experience
- Visual network representation of underlay and overlay topologies with correlations for a holistic view of the network

Security

- Security policies can be dynamically established on-demand to cater to evolving business requirements
- Security resources are pooled for orchestration based on policy-driven security service chaining.
- Supports micro segmentation for enhanced east-west traffic security control

Warranty and support

- **Electronic and telephone support**

Limited electronic and business-hours telephone support is available from Hewlett Packard Enterprise; to reach our support centers, refer to <http://www.hpe.com/networking/contact-support>; for details on the duration of support provided with your product purchase, refer to <http://www.hpe.com/networking/warrantysummary>

Software releases

To find software for your product, refer to <http://www.hpe.com/networking/support>; for details on the software releases available with your product purchase, refer to <http://www.hpe.com/networking/warrantysummary>



Configuration Information

IMC

Rule#	Orchestrator Description	SKU
1, 2	HPE Networking IMC Orchestrator Base License E-LTU	JL849AAE
1, 3	HPE Networking IMC Orchestrator Analyzer Add-on License E-LTU	JL850AAE
1, 4	HPE Networking IMC Orchestrator Network Node Add-on License E-LTU	JL851AAE
1, 3	HPE Networking IMC Orchestrator Analyzer IP Host Add-on License E-LTU	JL852AAE

Configuration Rules

Rule #	Description
1	When configuring 12900 Switch Chassis(JH262A or JL255A), this Orchestrator Service is available when one of the following Type X MPUs is added: HPE Networking 12904E Type X Main Processing Unit JL844A HPE Networking 12900E Type X Main Processing Unit JL845A
2	IMC Orchestrator Base E-LTU sku must be Qty 1 per solution
3	If this analyzer E-LTU is selected, then Qty 1 must be added per solution. Additionally, if this Analyzer E-LTU is selected, then IP Host E-LTU must match qty of desired Hosts.
4	This Network Node Add-on E-LTU must match the switch qty in the solution



Technical Specifications

Support Matrix

The HPE IMC Orchestrator and Analyzer currently supports the following switches:

Border/spine	HPE FlexFabric 12900E Switch Series
Border/spine/agg/leaf/access/ED	HPE FlexFabric 5945 Switch Series
border/spine/agg/leaf/access/ED	HPE FlexFabric 5944 Switch Series
Leaf/spine/border/ED/ERSPAN/access	HPE 7500X Switch Series*
Leaf/border/spine	HPE FlexFabric 5720 Switch Series
Leaf/border	HPE FlexFabric 5960R Switch Series
Leaf/border	HPE FlexFabric 12904E/12908E Switch Series
Access	HPE 5520HI Switch Series*

Hardware and Software Requirements

Processor	x86-64 (Intel® 64/AMD® 64) 16 cores (minimum); 20 cores (recommended) 2.0 GHz or above (minimum); 2.2 GHz or above (recommended)
Memory	128 GB or above (recommended)
Drives	- Drive configuration option 1: - System drive: 4*960 GB SSDs or 8*480 GB SSDs configured in RAID 10 that provides a minimum total drive size of 1920 GB. - ETCD drive: 2*480 GB SSDs configured in RAID 1 that provides a minimum total drive size of 50 GB. - Drive configuration option 2: - System drive: 4*1200 GB or 8*600 GB 7.2K RPM or above HDDs configured in RAID 10 that provides a minimum total drive size of 1920 GB. - ETCD drive: 2*600 GB 7.2K RPM or above HDDs configured in RAID 1 that provides a minimum total drive size of 50 GB. - Storage controller: 1 GB cache. Notes: To avoid unrecoverable system failures caused by unexpected power failures, use a RAID controller that supports power fail protection on the servers and ensure a supercapacitor is in place.
NIC	Bonding mode: 2 × 10 Gbps Linux bonding interfaces
Browser Supported	Google Chrome 55 or later
Technical Notes	As a best practice, configure NTP for time synchronization and ensure devices synchronize to the same clock source.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.



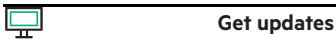
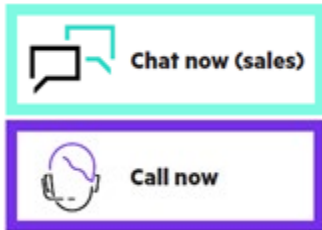
Summary of Changes

Date	Version History	Action	Description of Change
28-Jul-2025	<u>Version 3</u>	Changed	Update survey link.
14-Apr-2025	<u>Version 2</u>	Changed	Technical Specifications section was updated.
06-Jul-2021	<u>Version 1</u>	New	New QuickSpecs



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