

Features

Main Features

- Compliant with Intel® Rack Scale Design
- WebUI dashboard for hierarchical view
- Logical node composition based on payload templates
- Node provisioning through PXE server
- Power operations
- Restore composed node resources on PSME power cycle

WebUI Dashboard

- Composed nodes summary
- Chassis collection summary
- Systems summary
- Critical alerts
- Critical events

Provisioning Process

- Physical resource allocation
- Logical node assembly
- Node provisioning

Composed Nodes Summary View: Displays key information for pools of compute, memory, and storage resources across each composed node, as well as power

ami | Composer®

POD MANAGER

POD Management Software

Hyperscale POD Management solution providing simplified physical configuration of compute, network and storage level resources.

Developed to be fully compliant with Intel® Rack Scale Design, AMI Composer® from AMI is a POD management software solution that allows users to browse physical resources at the rack, chassis, and system level through an intuitive web-based user interface. Administrators can then assign and compose those physical resources to create a logical node, which provides the advantage of demand-driven dynamic scaling to optimize datacenter resource utilization. AMI Composer also allows for the composition of physical resources based on templates, which can then be stored and reused as a time-saving feature. In addition, AMI

Composer gives users the ability to power on, force off, and gracefully shutdown composed nodes.

Benefits

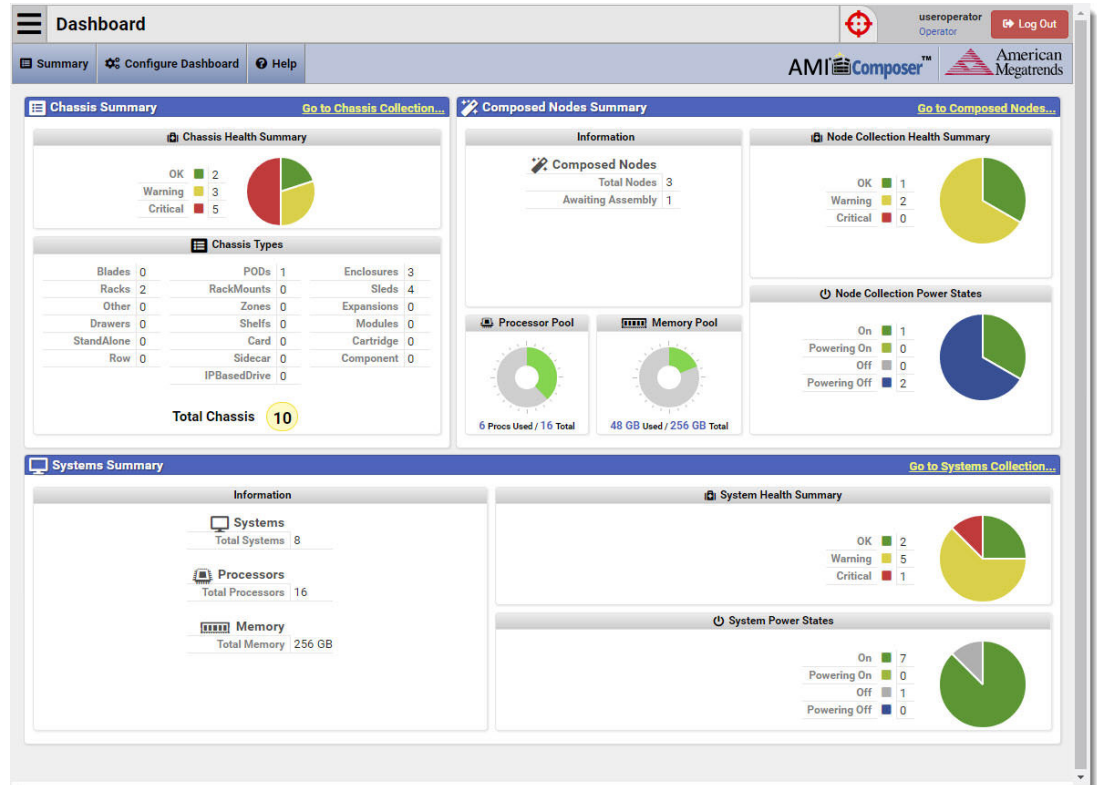
Developing with Intel Rack Scale Design makes it possible to configure hardware to closely match the needs of the software. The AMI Composer interface simplifies the process of configuring hardware workflows by presenting a visual representation of the available hardware. AMI Composer also sends alerts to the operator when it detects poor resource allocation, based on usage and slowdowns. It can also offer alternate recommendations for the allocation of resources.

The screenshot displays the AMI Composer web interface. The top navigation bar includes 'Summary', 'Compose New Node', and 'Help'. The main content area is titled 'Composed Nodes' and shows a list of nodes on the left and a detailed view of a selected node on the right. The detailed view for 'RSD Test Node (ID=23Node)' includes sections for Details, Status, Resource Links, and Attached Endpoints. The Status section shows 'Composed State: Assembled', 'Power State: On', 'State: Enabled', 'Health Status: OK', and 'Health Rollup: OK'. The Resource Links section lists 'Computer System', 'Ethernet Interfaces', 'Storage', 'Processor Links', and 'Memory Links'. The Attached Endpoints section lists 'Endpoint - Fabric Endpoint', 'Endpoint - Altera Corporation Device 2494 (rev 01)', and 'Drive - S120a'.

Key Capabilities:
Power | Fault | Discover | Boot
Configuration | Telemetry

The AMI Composer Dashboard

The main dashboard displays the initial heirarchal overview of the rack, chassis and system resources



System Required Services

Prerequisites Include:

- Ubuntu Server (or similar validated OS)
- Internet Access for server
- Drawer computer system
- External host attached to storage network rack
- Storage service setup configuration
- DHCP server configuration
- iPXE open source network boot firmware compilation/installation
- 32 GB HDD/SDD minimum storage
- Custom certificates can be configured for secure HTTPS

For more information, please visit ami.com/composer

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