



SCC 3.x.x

Licenses and Features

Version 1.4

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Licenses and Features Mapping

This section provides information on the license and the **SCC** features mapping.

As an administrator, you can utilize the **SCC Basic Features** set for server related management. The **SCC-Advanced Features** set offers more management capability, such as fabric device management, storage device management, PDU management and CDU management, etc..

The new **SCC** license model has been introduced in the **SCC**. The magic number, which is the percentage of Supermicro's server nodes that have SDDC license out of the total number of **SCC** monitored host, which all has DCMS license. The magic number is 100%. The magic number controls the SCC-Advanced feature to set enable or disable.

*☞ If you only have **SFT-DCMS-SINGLE** license, you can still install **SCC** software and use the SCC Basic features which are for performing server management.*

*☞ The **SFT-SDDC-TRIAL** is Free 90 days trial license with full functionality activation. This is Applicable only for **SCC** instance.*

The following is the new License Management for SDLCR/ODLCR:

- The **SCC** will switch to advanced mode when all devices have the required license key.
- DCMS/OBF license is only for Basic mode.
- The following features are only for Advanced mode (SDLCR and ODLCR = xDLCR):
 - AI SuperCluster
 - Support third party appliance (DELL, Lenovo, HPE etc.): For the license percentage, we only count the appliance which manufacture is supermicro.
 - Storage
 - Network, Switch and Topology
 - Cooling Infrastructure
 - PDU

- SDDC (100%): Buy air-cooled appliance only
- xDLCR (100%): Buy liquid-cooled appliance only
- SDDC (100%) + xDLCR (100%): Buy air-cooled and liquid cooled appliance

N/A: Not Available ●: Support

SL. No	Features	SCC Basic Features SFT-DCMS-SINGLE	SCC Advanced Features SFT-DCMS-SINGLE + SFT-SDDC-SINGLE	SCC Advanced Features SFT-DCMS-SINGLE + SFT-SDLCR-NODE	SCC Advanced Features SFT-OBF-NODE+ SFT-ODLCR-NODE
DASHBOARD					
1	Common Dashboard Features, POD Health, System performance/Thermal/Power, Events	●	●	●	●
PODVIEW					
1	POD Rack Management & Monitoring	●	●	●	●
2	Rack Configuration	●	●	●	●
3	Device Discovery	●	●	●	●
4	Rack Slot Unit/Drawer Registration	●	●	●	●
5	Manually Add Device	●	●	●	●
AI SuperCluster					

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1	AI SuperCluster	N/A	•	•	•
MONITORING DETAIL					
1	Monitoring Detail - Pod, Group, Rack, Drawer, Compute	•	•	•	•
2	Export Analytics Data - Pod/Appliance Level	•	•	•	•
PERFORMANCE METRICS					
1	GPU Metrics - Nvidia/AMD GPU Card In-band Data	•	•	•	•
2	Storage Metrics - WekaIO Cluster In-Band Data	•	•	•	•
3	Customizable Widget	•	•	•	•
COMPUTE					
1	Physical Assets Collateral Inventory Management, Processor/Memory/Storage/NIC/GPU	•	•	•	•
2	DMI & FRU Management - Edit Mode	•	•	•	•
3	Compute System Management - iKVM	•	•	•	•

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4	UID Management	•	•	•	•
5	Compute System Management - BMC website	•	•	•	•
6	Compute Power Management	•	•	•	•
7	Tag Management	•	•	•	•
8	Compute List - Redfish Detail	•	•	•	•
9	Compute System Management - Update BMC & BIOS firmware	•	•	•	•
10	Local User Management	•	•	•	•
11	Multi-Node Chassis Management	•	•	•	•
12	Blade Management	•	•	•	•
ARTIFACTS					
1	Upload Firmware	•	•	•	•
NETWORK					
1	Network Physical Asset Collateral	N/A	•	•	•
2	Network Zero Touch Provisioning - Top of Switch, Blade Switch	N/A	•	•	•

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3	Interface Status and Counters	N/A	•	•	•
4	Top of Rack - Ethernet Switch management	N/A	•	•	•
5	Blade - Ethernet Switch management	N/A	•	•	•
6	Network Topology - Ethernet Switch Fabric	N/A	•	•	•
7	MAC Address lookup	N/A	•	•	•
8	Orchestrator templates	N/A	•	•	•
9	Switch Sweeper	N/A	•	•	•
10	VLAN Management	N/A	•	•	•
11	Export/Import Running-Config File	N/A	•	•	•
TOPOLOGY					
1	Switch Device Centric Rack-Level Topology Management	N/A	•	•	•
STORAGE					
1	RAID Management	•	•	•	•
MANAGEMENT APPLIANCE					

SL. No	Features	SCC Basic Features SFT-DCMS-SINGLE	SCC Advanced Features SFT-DCMS-SINGLE + SFT-SDDC-SINGLE	SCC Advanced Features SFT-DCMS-SINGLE + SFT-SDLCR-NODE	SCC Advanced Features SFT-OBF-NODE+ SFT-ODLCR-NODE
1	Standalone Configuration	•	•	•	•
2	VMware Hypervisor - SCC Virtual Machine	•	•	•	•
3	SCC Bare Metal Appliance	•	•	•	•
ADMIN					
1	License Management	•	•	•	•
2	Software Information	•	•	•	•
3	Settings Idle Timeouts	•	•	•	•
4	User Management - Role	•	•	•	•
5	User Management - Users	•	•	•	•
6	Authentication - Local user management	•	•	•	•
7	Authentication - Active Directory Services	•	•	•	•
8	Authentication - Multiple Active Directory Services Support	•	•	•	•
9	Configuration of SCC Appliance	•	•	•	•
10	Role Base Access Control - DC Admin	•	•	•	•

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11	Role Base Access Control - Operator Admin	•	•	•	•
12	Role Base Access Control - Server Architect	•	•	•	•
13	Role Base Access Control - Storage Admin	•	•	•	•
14	Role Base Access Control - Network Admin	•	•	•	•
15	Support Advisor Policy Base - BMC Events Monitor	•	•	•	•
16	Support Advisor Policy Base - In-Rack CDU Events Monitor	N/A	•	•	•
17	Support Advisor Policy Base - PDU Events Monitor	N/A	•	•	•
18	Support Advisor - Call Home	N/A	•	•	•
19	Support Identify provider - Keycloak	•	•	•	•
20	NTP Support	•	•	•	•
21	DNS Support	•	•	•	•
LOG					
1	BMC Event	•	•	•	•
2	In-Rack CDU Event	N/A	N/A	•	•

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3	PDU event	N/A	•	•	•
4	Activity	•	•	•	•
5	All Tasks	•	•	•	•
ALERT MANAGEMENT					
1	SMTP forward	•	•	•	•
2	HTTPS Relay(WebHook)	•	•	•	•
INTELLIGENT POWER DISTRIBUTION UNIT					
1	PDU Lifecycle Management	N/A	•	•	•
2	Sensor Management	N/A	•	•	•
3	PDU Individual Outlet Power Control	N/A	•	•	•
4	PDU Cascading Mode Support	N/A	•	•	•
LIQUID COOLING MANAGEMENT					
1	Cooling Infrastructure	N/A	N/A	•	•
2	Sensor Management	N/A	N/A	•	•

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3	Leakage Protection Mode (Enforcement Policy)	N/A	N/A	•	•
External Service Integration					
1	Performance Metrics, Prometheus Server	•	•	•	•

SFT License SKU and Combination

For traditional air-cooling servers, it uses **SFT-DCMS-SINGLE** and **SFT-SDDC-SINGLE** license combination for system management and rack management. For Direct Liquid Cooling (DLC) servers, we create **SFT-SDLCR-NODE** or **SFT-ODLCR-NODE** to replace **SFT-SDDC-SINGLE** license for rack management and liquid cooling management. Any components of liquid cooled racks (CDU, NVswitch, PowerShelf, etc.) will be managed by **SFT-xDLCR-NODE** license when it is activated in the BMC. Meanwhile, we also introduce **SFT-OBF-NODE** license for system management to support servers using Pure OpenBMC solution. The **SFT-xDLCR-NODE** license includes **SFT-SDLCR-NODE** and **SFT-ODLCR-NODE** licenses.

The term of non-**SFT-SDLCR-NODE** license includes the following: **SFT-OOB-LIC**, **SFT-DCMS-SINGLE**, **SFT-SDDC-SINGLE**, **SFT-DCMS-SVC-KEY**.

BMC Solution	Management Feature	Liquid Cooling Server	Air Cooling Server
Supermicro-defined BMC (on LBMC/OBMC)	System Management	SFT-DCMS-SINGLE	SFT-DCMS-SINGLE
	Rack Management	SFT-SDLCR-NODE	SFT-SDDC-SINGLE
Pure OpenBMC (NV-based OBMC)	System Management	SFT-OBF-NODE	SFT-OBF-NODE
	Rack Management	SFT-ODLCR-NODE	SFT-SDDC-SINGLE

- **SFT-DCMS-SINGLE**: Supermicro System Management Software Suite node license.
- **SFT-SDDC-SINGLE**: SDDC Monitor License - Single license per monitored host.
- **SFT-SDDC-TRIAL**: Free 90 days trial license with full functionality activation . Applicable only for **SCC** instance.
- **SFT-SDLCR-NODE**: Liquid cooling management for Direct Liquid Cooling Server with Supermicrodefined
- BMC standard.
- **SFT-ODLCR-NODE**: Liquid cooling management for Direct Liquid Cooling Server with OpenBMCshared
- by vendor.
- **SFT-OBF-NODE**: Supermicro OpenBMC with codebase shared by vendor (Node License).

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