

StruxureWare for DataCenter Operation Suite

StruxureWare Operation Base, StruxureWare Capacity and StruxureWare Energy Efficiency

Codes: SOB - SOC - SOEE

StruxureWare Operation Base Content

StruxureWare DataCenter Operation provides crucial information for making key decisions on how to run datacenters more efficiently. The platform provides data center managers with the ability to operate, monitor, analyze and optimize the energy usage of a data center all the way down to the server and CPU levels.

- **Installation:**
 - installing Struxureware Datacenter Operation client on a computer.
- **Configuration:**
 - network settings,
 - client interface,
 - datacenter modeling,
 - power dependency,
 - device association,
 - change management,
 - network management,
 - troubleshooting,
 - simulating solutions.
- **Administration:**
 - user administration,
 - reports,
 - licensing.

Prerequisite skills

Basic knowledge in computing and networking.

StruxureWare Operation Capacity Content

Capacity predicts the optimal location for physical infrastructure and rack-based IT equipment based on the availability and requirements of physical infrastructure capacity; and user defined requirements such as redundancy, network and business use grouping.

- **Background knowledge:**
 - the capacity concept,
 - redundancy definitions,
 - capacity definitions,
 - the nameplate challenge.
- **Configuration:**
 - advanced power configuration,
 - configuring capacity,
 - asset provisioning,
 - tagging,
 - distribution redundancy,
 - branch circuit monitoring,
 - 3D airflow.

Prerequisite skills

Experience with datacenter Operation base software.

StruxureWare Operation Energy Efficiency Content

Insight into current and historical energy efficiency for facilities, identifying efficiency losses and enabling improved PUE values at subsystem level.

- **Background knowledge:**
 - energy Efficiency concepts and definitions
- **Configuration:**
 - modeling a supporting, infrastructure room
 - estimated device calculation,
 - measured device calculation,
 - energy system editor,
 - power dependency editor,
 - scripting,
 - the EE dashboard.

Prerequisite skills

Experience with datacenter Operation base software and Capacity.

+ Benefit

Being able to configure and administrate StruxureWare DataCenter Operation.

Being able to explain the Capacity concept, configure and use the Capacity module in StruxureWare DataCenter Operation.

Being able to model and configure the data for calculating the Power Usage Effectiveness (PUE).

Target audience

Datacenter supervisors, system administrators, IT operators, facility managers...

SOB - SOC - SOEE

Duration:

1 day per product
(France & Denmark)

- 30% theory
- 70% practice