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Power cabling for the BX600 S2 and TX600 S2 PC- and SystemArchitect

Category: PC- /SystemArchitect

Content: Tool Info

SystemArchitect – Power cabling for the BX600 S2 and TX600 S2

Due to the high power consumption, the fact that power cables can be selected and not yet available power strips that enable optimum cabling for these systems within the rack, these systems cannot be automatically cabled in the SystemArchitect with the Power Assistant at present. The power check has been modified to ensure that correct manual cabling is recognized. The change in Power Assistant generation will be available with version 6.6.5. The following description contains the individual processing steps required for correct manual cabling until version 6.6.5 is available.

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TX600 S2

- § For floorstand systems:
The power cables are automatically shipped with them
- § For rack systems:
 - With UPS backup
 - § Select the cables 'S26361-F3151-E300' (2x) in the configuration view of the system
 - § Enable the attribute 'UPS Secure' for the system
 - § Select the UPS preference for the rack
 - § If applicable, enable the attribute 'Phase Redundant' for the system
 - § Call the Power Assistant
 - Without UPS backup
 - § Without phase redundancy
 - Select the cables 'S26361-F3151-E200' (2x) in the configuration view of the system
 - In the connection view, configure **both** 'connectors' of the previously mentioned cables at the house network, **same** phase.
 - § With phase redundancy, option 1
 - Enable the attribute 'Phase Redundant' for the system
 - Select the cables 'S26361-F3151-E200' (2x) in the configuration view of the system
 - In the connection view, configure **both** 'connectors' of the previously mentioned cables at the house network, **different** phases.
 - § With phase redundancy, option 2
 - Enable the attribute 'Phase Redundant' for the system
 - Select the cables 'S26361-F3151-100' (2x) in the configuration view of the system
 - Call the Power Assistant

BX600 S2

In these two systems, the 2 supplied power supply units are sufficient to enable power supply unit/phase redundancy as long as the blade frame is filled by less than half with blade servers (**status A**). For a configuration with more blade servers, a further power supply unit is always required so that power supply unit or phase redundancy can be achieved (**status B**). A description of the procedure if 4 power supply units are used is not given here. These are only necessary to protect the system against duplicate faults.

§ For rack systems, status A

○ With UPS backup

§ Select the cables 'S26361-F3151-E300' (2x) in the configuration view of the system

§ Enable the attribute 'UPS Secure' for the system

§ Select the UPS preference for the rack

§ If applicable, enable the attribute 'Phase Redundant' for the system

§ Call the Power Assistant

○ Without UPS backup

§ Without phase redundancy

- Select the cables 'S26361-F3151-E200' (2x) in the configuration view of the system
- In the connection view, configure **both** 'connectors' of the previously mentioned cables at the house network, **same** phase.

§ With phase redundancy, option 1

- Enable the attribute 'Phase Redundant' for the system
- Select the cables 'S26361-F3151-E200' (2x) in the configuration view of the system
- In the connection view, configure **both** 'connectors' of the previously mentioned cables at the house network, **different** phases.

§ With phase redundancy, option 2

- Enable the attribute 'Phase Redundant' for the system
- Select the cables 'S26361-F3151-100' (2x) in the configuration view of the system
- Call the Power Assistant

§ For rack systems, status B

○ With UPS backup

§ Without phase redundancy

- Select a further power supply unit in the configuration view of the system
- Select the cables 'S26361-F3151-E300' (3x) in the configuration view of the system
- Enable the attribute 'UPS Secure' for the system
- Select the UPS preference for the rack; 'APC Line-Interactive' must not be selected
- Call the Power Assistant

§ With phase redundancy

- Select a further power supply unit in the configuration view of the system
- Select the cables 'S26361-F3151-E300' (3x) in the configuration view of the system
- Enable the attribute 'Phase Redundant' for the system
- Enable the attribute 'UPS Secure' for the system
- Select the UPS preference for the rack; 'APC Line-Interactive' must not be selected
- Call the Power Assistant

○ Without UPS backup

§ Without phase redundancy

- Select a further power supply unit in the configuration view of the system
- Select the cables 'S26361-F3151-E200' (3x) in the configuration view of the system
- In the connection view, configure **all** 'connectors' of the previously mentioned cables at the house network, **same** phase.

§ With phase redundancy, option 1

- Select a further power supply unit in the configuration view of the system
- Select the cables 'S26361-F3151-E200' (3x) in the configuration view of the system
- Enable the attribute 'Phase Redundant' for the system
- In the connection view, configure **all** 'connectors' of the previously mentioned cables at the house network, **different** phases.

§ With phase redundancy, option 2

- Enable the attribute 'Phase Redundant' for the system
- Select a further power supply unit in the configuration view of the system
- Select the cables 'S26361-F3151-100' (3x) in the configuration view of the system
- Call the Power Assistant

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