

Network Architecture and Operations of the RACF/SDCC Facility

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This talk gives a summary of the current structure of network systems deployed in B515 based RACF/SDCC facility, emphasizing of the architecture of the Science Zone and its expected evolution in 2019-2023 period during which the new B725 based datacenter to be constructed under umbrella of the BNL Computing Facility Revitalization (CFR) project is expected to enter the fully operational state. The main challenges and shifts in network technology anticipated in this timeframe are discussed. The model of how other BNL user facilities can access the RACF/SDCC resources and use RACF/SDCC Facility as a bridge to external network resources is outlined.

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