



Required parameters for Hitachi storage arrays with ONTAP systems

ONTAP FlexArray

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Required parameters for Hitachi storage arrays with ONTAP systems

Certain parameter settings are required on the storage array for the storage array to work successfully with ONTAP systems.


Required system parameters for AMS and HUS storage arrays

The parameters that must be set are listed in the following table:

Parameter	Setting
Mapping mode	Enabled
Host group security	Enabled
Mode Setting > Common Setting	Standard Mode
Platform	Not specified
Middleware	Not specified

Required system parameters for VSP and HUS VM storage arrays

The parameters that must be set are listed in the following table:

Parameter	Setting
Host mode	Standard or 00
Port security	Enabled
 A host group that is separate from the default host groups should be created for each initiator-target port pair.	

The storage array parameters should be set and LUNs should be mapped to the host groups before the switch is zoned to connect the ONTAP system to the Hitachi storage array.

If ONTAP FC initiator ports are zoned with Hitachi array target ports before the storage array parameters are set and the LUNs are mapped to the host groups, you might not be able to see any LUNs presented to the ONTAP interface.

In this situation, ONTAP generates one of the following EMS messages:

```
[fci.device.login.reject:info] The PLOGI transmitted by port XX was rejected by port_id 0xYYYY with reason code 0x9 'Invalid R_CTL Field', explanation code 0x29 'Insufficient Resources to Support Login'
```

```
[fci.device.login.reject:info]: The PLOGI transmitted by port XX was rejected by port_id 0xYYYY with reason code 0x3 'Nx_Port Not Available, Temporary', explanation code 0x29 'Insufficient Resources to Support Login'
```

Workaround

If zoning was configured prior to setting the parameters and mapping the LUNs to the host groups, you can resolve the problem of LUNs not being visible by performing a path re-initialization to force a rediscovery of the array LUNs that are mapped from the Hitachi storage array. See [Workaround when LUNs are not visible with Hitachi storage arrays](#) section for the workaround to this problem.

[Workaround when LUNs are not visible with Hitachi storage arrays](#)

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