



# Troubleshooting Transient Faults

Transient faults can occur during initial set up and discovery or when a server or virtual machine starts up. You can typically ignore these transient faults, as FXOS clears them automatically.

This chapter includes the following sections:

- [Initial Setup and Discovery Faults, page 4-1](#)
- [Virtual Machine Startup Faults, page 4-5](#)

## Initial Setup and Discovery Faults

[Table 4-1](#) describes the transient faults that you may see during the initial setup and discovery process. The FXOS clears these faults. If you see them during the initial setup or discovery process, you can safely ignore these faults.

*Table 4-1 Transient Faults that Occur during Initial Setup and Discovery Process*

Fault Code	Fault Text	Description
F16581	[FSM:STAGE:RETRY:]: user configuration to secondary (FSM-STAGE:sam:dme:AaaUserEpUpdateUserEp:SetUserPeer)	The FSM could not send the user configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.
F16745	[FSM:STAGE:RETRY:]: QoS Classification Definition classification configuration on secondary (FSM-STAGE:sam:dme:QosclassDefinitionConfigGlobalQoS:SetPeer)	The FSM could not send the quality of the service configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.
F16725	[FSM:STAGE:RETRY:]: VM profile configuration on external VM manager (FSM-STAGE:sam:dme:VnicProfileSetConfigVmm:SetLocal)	The FSM could not send the VM profile configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.
F16580	[FSM:STAGE:RETRY:]: realm configuration to secondary (FSM-STAGE:sam:dme:AaaRealmUpdateRealm:SetRealmPeer)	The FSM could not send the security configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.

Table 4-1 Transient Faults that Occur during Initial Setup and Discovery (continued)Process

Fault Code	Fault Text	Description (continued)
F16724	[FSM:STAGE:RETRY:]: external VM manager configuration on local fabric (FSM-STAGE:sam:dme:ExtvmmEpConfig:SetLocal)	The FSM could not send the VM manager configuration to the primary fabric interconnect during the initial cluster configuration or the setup.
F16579	[FSM:STAGE:RETRY:]: external aaa server configuration to secondary (FSM-STAGE:sam:dme:AaaEpUpdateEp:SetEpPeer)	The FSM could not send the security configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.
F16749	[FSM:STAGE:RETRY:]: Uplink eth port configuration on B (FSM-STAGE:sam:dme:SwEthLanBorderDeploy:UpdateConnectivity)	The FSM could not send the eth-uplink configuration to the fabric interconnects during the initial cluster configuration or the setup.
F16749	[FSM:STAGE:RETRY:]: internal network configuration on B (FSM-STAGE:sam:dme:SwAccessDomainDeploy:UpdateConnectivity)	The FSM could not send the internal network configuration to the fabric interconnects during the initial cluster configuration or the setup.
F16749	[FSM:STAGE:RETRY:]: Uplink fc port configuration on B (FSM-STAGE:sam:dme:SwFcSanBorderDeploy:UpdateConnectivity)	The FSM could not send the fibre channel uplink configuration to the fabric interconnects during the initial cluster configuration or the setup.
F16680	[FSM:STAGE:RETRY:]: Enable virtual interface on local fabric interconnect (FSM-STAGE:sam:dme:MgmtIfEnableVip:Local)	The FSM could not send the virtual interface configuration to the fabric interconnects during the initial cluster configuration or the setup.
F16579	[FSM:STAGE:RETRY:]: keyring configuration on secondary (FSM-STAGE:sam:dme:PkiEpUpdateEp:SetKeyRingPeer)	The FSM could not send the security configuration to the subordinate fabric interconnect during the initial cluster configuration or the setup.
F16539	[FSM:STAGE:RETRY:]: Fabric interconnect mode configuration to primary (FSM-STAGE:sam:dme:FabricLanCloudSwitchMode:SwConfigPeer)	The FSM could not send the end-host mode configuration on to the primary fabric interconnect during the initial cluster configuration or the setup.
F0429	Fabric Interconnect A, HA functionality not ready	The cluster configuration cannot be completed until the chassis discovery is completed.
F0400	Chassis 1 connectivity configuration: un-acknowledged	FXOS discovered the chassis with only one link in the first attempt although the chassis discovery policy is configured for four links. FXOS reacknowledges the chassis to activate the other links.

Table 4-1 Transient Faults that Occur during Initial Setup and Discovery (continued)Process

Fault Code	Fault Text	Description (continued)
F0401	IOM 1/2 (B) current connectivity does not match discovery policy: unsupported-connectivity	<p>FXOS discovered the chassis with only one link in the first attempt although the chassis discovery policy is configured for four links.</p> <p>FXOS can clear this fault when the communication is established between the chassis and the fabric interconnect with that link.</p>
F0440	Chassis discovery policy conflict: Link IOM 1/2/2 to fabric interconnect B:1/1 not configured	<p>FXOS discovered the chassis with only one link in the first attempt although the chassis discovery policy is configured for four links. Until the discovery is successful with that link, the remaining links cannot be marked as active.</p> <p>FXOS can clear this fault when the communication is established between the chassis and the fabric interconnect with that link.</p>
F0332	AssociatePnuOSLocalDiskConfig fails with Service-Unavailable	<p>During discovery, the server association failed due to an error when configuring the local disk controller.</p> <p>The associated remote invocation error code is 4106.</p>
F0277	ether port 1 on fabric interconnect B oper state: link-up, reason: FEX not configured	<p>FXOS discovered the chassis with only one link in the first attempt although the chassis discovery policy is configured for four links. Until the discovery is successful with that link, the remaining links cannot be marked as active.</p>
F0276	ether port 4 on fabric interconnect B oper state: link-down, reason: Link failure or not-connected	<p>One or more of the links on the chassis flapped during the initial discovery. This fault is generated when the link is down during the flapping.</p>
F0206	Adapter 1/2/1 is unreachable	<p>During discovery, the adapter information cannot be accessed from the server. This fault clears as soon as the information is available.</p>
F0283	VIF 1 / 2 B-42/44 down, reason: Bound Physical Interface Down	<p>The internal VIF that the FXOS uses during discovery failed.</p>

Table 4-1 Transient Faults that Occur during Initial Setup and Discovery (continued)Process

Fault Code	Fault Text	Description (continued)
F0367	No link between IOM port 1/1/2 and fabric interconnect A:1/2	The ethernet server ports flapped on the fabric interconnect during the initial discovery, because the discovery policy was configured for more than one link.  FXOS clears this fault when the initial discovery succeeds with one link and the other links can be marked as active.
F0399	Current connectivity for chassis 1 does not match discovery policy: unsupported-connectivity	FXOS discovered the chassis with only one link in the first attempt although the chassis discovery policy is configured for four links. Until the discovery is successful with that link, the remaining links cannot be marked as active.
F16520	[FSM:STAGE:RETRY:]: Identify pre-boot environment agent on server 1/2 (FSM-STAGE:sam:dme:ComputeBladeDiscover:PnuOSIdent)	The FSM failed to identify the pre-boot environment on the server during discovery.
F77960	[FSM:STAGE:REMOTE-ERROR]: Result: end-point-unavailable Code: unspecified Message: Waiting for BIOS POST Completion information from IBMC (sam:dme:ComputeBladeDiscover: BiosPostCompletion)	The FSM did not receive a response from the server during discovery and is waiting for the BIOS POST completion information.
F0320	Server 1/1 (service profile: ) has an invalid FRU: mismatch-identity-unestablishable	FXOS could not identify the FRUs from the servers during initial discovery.
F77959	[FSM:STAGE:REMOTE-ERROR]: Result: unidentified-fail Code: ERR-0505-IBMC-fru-retrieval-error Message: Could not get Fru from 7f060101, dn=fabric/server/chassis-1/slot-1 (sam:dme:FabricComputeSlotEpIdentify:ExecuteLocal)	FXOS could not identify the FRUs from the servers during initial discovery.
F16406	[FSM:STAGE:RETRY:]: triggering chassis discovery via IOM 1/2 (right) (FSM-STAGE:sam:dme:EquipmentIOCardFeConn:DiscoverChassis)	In a cluster configuration, after the FXOS discovers the chassis through the I/O module connected to the primary fabric interconnect, it raises discovery through the I/O module connected to the secondary fabric interconnect.

## Virtual Machine Startup Faults

When you power on a virtual machine on a server that has network adaptors connected to a distributed virtual switch through a port profile, the Events tab of the VMware vCenter may display the following event:

```
Virtual machine powered On with vNICs connected to dvPorts that have a port level configuration, which might be different from the dvPort group configuration.
```

If you see this event, you can safely ignore it.

