



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

SIP Server HA Deployment Guide

Verifying Initialization Status in Backup SIP Servers

12/18/2025

Verifying Initialization Status in Backup SIP Servers

Starting with version 8.1.103.64, the backup SIP Server can check the status of its internal components during startup to ensure it provides the service when it is promoted to Primary. If any internal component (T-Controller, Smart Proxy, Interaction Proxy, or Operational Information thread) fails to complete initialization, SIP Server reports the `SERVICE_UNAVAILABLE` status to the Management Layer (LCA/SCS).

In addition, if SIP Server fails to open a SIP port during startup, it reports the `SERVICE_UNAVAILABLE` status to LCA/SCS. Note that this approach does not work for the IP Address Takeover procedure or same host configuration.

To enable this functionality, configure the following options:

backup-init-check

Setting: [TServer] section, Application level

Default Value: false

Valid Values: true, false

Changes Take Effect: After restart

When set to `true`, SIP Server in Backup mode verifies that all internal components (T-Controller, Smart Proxy, Interaction Proxy, and Operational Information thread) are successfully initialized, and can provide the service when SIP Server switches to Primary mode. If some components fail to complete initialization, SIP Server reports the `SERVICE_UNAVAILABLE` status to LCA/SCS. The timeout for internal components to complete initialization is defined by the **backup-init-check-timeout** option.

backup-init-check-timeout

Setting: [TServer] section, Application level

Default Value: 60

Valid Values: 15 - 3600

Changes Take Effect: After restart

Restricted option. Specifies the timeout, in seconds, during which SIP Server verifies that all internal components are successfully initialized in a scenario described by the **backup-init-check** option.

backup-sip-port-check

Setting: [TServer] section, Application level

Default Value: true

Valid Values: true, false

Changes Take Effect: After restart

When set to `true`, SIP Server in Backup mode attempts to open a SIP port. If the port opens successfully, no SIP messages are processed, and SIP Server closes the port immediately. If the SIP port does not open, SIP Server reports the `SERVICE_UNAVAILABLE` status to LCA/SCS. This functionality is enabled only when **backup-init-check** is set to `true`. The functionality is disabled in the IP Address Takeover configuration, when the **control-vip-scripts** option is set to `true`.