SIP Server HA Deployment Guide

Enhanced HA Resilience for Network Disruptions

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Enhanced HA Resilience for Network Disruptions

Starting with version 8.1.103.61, SIP Server supports enhanced high-availability resilience for network disruptions. With this feature, switchovers can be triggered when SIP Server detects MSML VOIP Service DNs and/or Trunk DNs that are out of service. After a switchover, a backup (new primary) SIP Server can place MSML VOIP Service DNs and/or Trunk DNs back in service and proceed with calls processing, minimizing or avoiding network outages.

switchover-on-msml-oos
Setting: [TServer] section, the SIP Server Application (in standalone mode) or the VOIP Service DN with **service-type**=`sip-cluster-nodes` (in SIP Cluster mode)
Default Value: `false`
Valid Values: `true, false`
Changes Take Effect: For the next call

Specifies the SIP Server action in case of losing connectivity with MSML VOIP Service DNs. When set to `true`, in the case of strict matching only, VOIP Service DNs with the same or alternative geo-location are considered. After detecting that those DNs are out of service, SIP Server checks one more time that MSML VOIP Service DNs are unresponsive, before reporting the SERVICE_UNAVAILABLE status to LCA/SCS in order to trigger a switchover.

switchover-on-trunks-oos
Setting: [TServer] section, the SIP Server Application (in standalone mode) or the VOIP Service DN with **service-type**=`sip-cluster-nodes` (in SIP Cluster mode)
Default Value: `false`
Valid Values: `true, false`
Changes Take Effect: For the next call

Specifies the SIP Server action in case of losing connectivity with Trunk DNs. When set to `true`, in the case of strict matching only, Trunk DNs with the same or alternative geo-location are considered. After detecting that those DNs are out of service, SIP Server checks one more time that Trunk DNs are unresponsive, before reporting the SERVICE_UNAVAILABLE status to LCA/SCS in order to trigger a switchover.