

# IPWorks Alarm List

LIST

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# 1 Introduction

This document lists the alarms for the IPWorks.





## 2 Alarms

### 2.1 Storage Server Alarms

The following alarms exist for the Storage Server:

- Storage Server, MySQL Cluster Node Unreachable
- Storage Server, MySQL Database Unreachable
- Storage Server, Storage Server Unreachable from Server Manager
- Storage Server, The MySQL Replication for Geographic Redundancy Failed

### 2.2 DNS Alarms

The following alarms exist for the IPWorks DNS:

- DNS, Server Failed to Start
- DNS, ASDNS Node Down
- DNS, Query Failure Error
- DNS, Forward Failure Error
- DNS, TPS Exceed Threshold

### 2.3 ENUM Alarms

The following alarms exist for the IPWorks ENUM:

- ENUM, Server Failed to Start
- ENUM, Server Lost Connections of DB
- ENUM, Query Failure Error
- ENUM, Total Query Failure Error
- ENUM, CUDB Node Failure
- ENUM, CUDB Site Failure
- ENUM FE Sync, All CUDB Connections Failure
- ENUM FE Sync, Server Lost Connections of DB



## 2.4 ERH Alarms

The following alarms exist for the IPWorks ERH:

- ERH, Connection Error
- ERH, CUDB Node Failure
- ERH, CUDB Site Failure
- ERH, NP Query Error
- ERH, Toll-free Query Error
- ERH, Total Query Error
- ERH, TPS Exceed Threshold

## 2.5 Radius AAA Alarms

The following alarms exist for the IPWorks Radius AAA:

- Radius AAA, Server Cannot Connect to DB
- Radius AAA, Server Entered Overload Protection
- Radius AAA, Server Allocated IP Address Exceeded Pool Threshold
- Radius AAA, Server Allocated IP Address Exceeded Server Threshold
- Radius AAA, Server Allocated IPv6 Prefix Exceeded Pool Threshold
- Radius AAA, Server Allocated IPv6 Prefix Exceeded Server Threshold
- Radius AAA, Server Cannot Connect to CUDB Node
- Radius AAA, Server Cannot Connect to CUDB Site
- Radius AAA, Server Entered CUDB Overload Protection

## 2.6 EPC AAA Alarms

The following alarms exist for the IPWorks EPC AAA:

- Diameter AAA, Server Lost Connections of DB
- Diameter AAA, GEO IP DB Empty
- Diameter AAA, Server Cannot Connect to Remote CA
- Diameter AAA, Connection to SS7 Error





- Diameter AAA, Server Entered Overload Protection
- Diameter AAA, Peer Connection Unreachable
- Diameter AAA, Diameter Stack Entered Overload Protection
- Diameter AAA, Server Cannot Connect to CUDB Node
- Diameter AAA, Server Cannot Connect to CUDB Site
- Diameter AAA, Server Entered CUDB Overload Protection

## 2.7 DHCP Alarms

The following alarms exist for the IPWorks DHCP:

- DHCPv4, Exhausted Lease Pool
- DHCPv4, Failover Network Disconnect
- DHCPv4, Failover Time Skew
- DHCPv4, DHCPv4 Pool Active Lease Cross Threshold
- DHCPv4, DHCPv4 Server Active Lease Cross Threshold
- DHCPv4, Server Failed to Start
- DHCPv4, Server Fatal Shutdown
- DHCPv4, DDNS Retries Failed
- DHCPv4, DDNS Update Failed
- DHCPv4, DHCPv4 Option82 Parsing Failure Cross Threshold
- DHCPv4, DHCPv4 TPS Exceed Threshold
- DHCPv4, DHCPv4 TPS Under Low Threshold
- DHCPv4, Unknown Message Type

## 2.8 COM SA Alarms

**Note:** Ignore alarm AMF SI Unassigned if the corresponding service is not deployed.

For example, ignore alarm SI designated by `safSi=sv.SVDNS-NWA-1,safApp=ERIC-sv.SVDNS` has no current active assignments to any SU if DNS is not deployed.

The following alarms exist for COM SA.



- COM SA, AMF Component Cleanup Failed
- COM SA, AMF Component Instantiation Failed
- COM SA, AMF SI Unassigned
- COM SA, CLM Cluster Node Unavailable
- COM SA, MDF Detected Model Error

## 2.9 eVIP Alarms

The following alarms exist for eVIP.

- eVIP, Gateway Unavailable
  - Note:** The alarm is not triggered with static routes.
- eVIP, IKE Distribution Not Possible
- eVIP, IPSEC Tunnel Fault

## 2.10 LDE Alarms

The following alarms exist for LDE.

- LOTC Disk Replication Communication
- LOTC Disk Replication Consistency
- LOTC Disk Usage
- LOTC Ethernet Bonding
- LOTC Memory Usage
- LOTC Time Synchronization

## 2.11 License Management Alarms

- License Management, Autonomous Mode Activated
- License Management, Capacity Usage Threshold Reached
- License Management, Key File Fault
- License Management, License Key Not Available



## 2.12 SS7 CAF Alarms

- SS7 CAF State Change
- SS7 CAF SCCP Bind Request
- SS7 CAF Call Control Replaced
- SS7 CAF Congestion Status Change
- SS7 CAF Connections Exceed High Threshold
- SS7 CAF Dialogue Threshold High Watermark Exceeded ANSI TCAP
- SS7 CAF Dialogue Threshold High Watermark Exceeded
- SS7 CAF DPC State Change
- SS7 CAF ECM Goes Active
- SS7 CAF ECM Goes Down
- SS7 CAF Link Deactivated
- SS7 CAF Link out of service
- SS7 CAF Local Link Congestion
- SS7 CAF Low Link Availability
- SS7 CAF Number of Circuits Exceed High Water Mark
- SS7 CAF OAM Connection Lost
- SS7 CAF Process Down
- SS7 CAF Remote Processor Outage
- SS7 CAF Remote SSN Status Change
- SS7 CAF Resource Group State Change
- SS7 CAF Route Set Failure
- SS7 CAF SCCP Unbind Request
- SS7 CAF SCTP IP Path is Down
- SS7 CAF Signaling Process State Change
- SS7 CAF SSC Received
- SS7 CAF Start Process Failed



## 2.13 CPU Alarms

- System Load Threshold Reached, Load Average too High