

# IPWorks Alarm List

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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.SVD NS-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*
- *eVIP, IKE Distribution Not Possible*
- *eVIP, IPSEC Tunnel Fault*

## 2.10 LDE Alarms

The following alarms exist for LDE.

- *LOTG Disk Replication Communication*
- *LOTG Disk Replication Consistency*
- *LOTG Disk Usage*
- *LOTG Ethernet Bonding*
- *LOTG Memory Usage*
- *LOTG 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*