

ERH, TPS Exceed Threshold

IPWorks

OPERATING INSTRUCTIONS

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ERH, TPS Exceed Threshold



1 Introduction

This instruction concerns alarm handling.

1.1 Alarm Description

This alarm is issued by ENUM server when the TPS of ERH query exceeds the given TPS threshold. It is determined by the PM measurement `ERHTransactionPerSecond`. The given TPS threshold is defined by the attribute `thresholdHigh`.

The possible alarm causes and the corresponding fault reasons, fault locations and impacts are described in Table 1.

Table 1 Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact	Solution
The TPS of ERH query exceeds the threshold.	This alarm is reported when the TPS level reaches or exceeds a predefined threshold level.	TPS level exceeds the predefined threshold in the given time period.	ENUM server	Eventually the ERH service works in a high workload.	See Section 2 on page 2

Note: An alarm can appear as a result of the maintenance activity.

The alarm attributes are listed and explained in Table 2.

Table 2 Alarm Attributes

Attribute Name	Attribute Value
Major Type	193
Minor Type	856105
Managed Object Class	IpworksErhPm
Source	ManagedElement=<Node Name>,SystemFunctions=1,Pm=1,PmJob=<PM Job name, default job is ERHTPSDefaultJob>,MeasurementReader=<name>:<hostname>
Specific Problem	ERH, TPS Exceed Threshold
Event Type	qualityOfServiceAlarm(11)
Probable Cause	x733ThresholdCrossed(351)



Attribute Name	Attribute Value
Additional Text	This alarm is generated by ENUM server when the TPS of ERH query exceeds the configured TPS threshold.;uuid:<Product_UUID> ⁽¹⁾
Perceived Severity	<code>thresholdSeverity</code> , which is one of the following: <ul style="list-style-type: none">• Critical• Major• Minor• Warning

(1) <Product_UUID> is the universally unique identifier (UUID) of machine that generates the alarm. The value can be fetched from `/sys/devices/virtual/dmi/id/product_uuid` on the PL node.

1.2 Prerequisites

This section provides information on the documents, tools, and conditions that apply to the procedure.

1.2.1 Documents

This instruction references the following document:

- IPWorks Measurement List
- Create Threshold Monitoring Job

1.2.2 Tools

Not applicable.

1.2.3 Conditions

No conditions.



2 Procedure

To clear the alarm, do the following:

1. Limit the TPS of ERH query to fall below the predefined TPS threshold level.
2. If the TPS of ERH query cannot be limited, create a PM job to increase the threshold.

For details, refer to [Create Threshold Monitoring Job](#).

3. This alarm is automatically cleared when the TPS of ERH query falls below the predefined TPS threshold level.
4. Confirm the alarm has ceased. If the alarm remains, consult the next level of maintenance support. Further actions are outside the scope of this instruction.