smartzone™

Technical Reference 82

Published: **7/25/18**

Purging Event Data from the SmartZone Database

Applies to:	SmartZone database
Objective:	The purpose of this Technical Reference is to describe the procedure for purging old and unwanted events from the SmartZone Database.
Pre-Requisites:	• The user is proficient with SQL and can remotely and locally log into the database using the Administrator user credentials. • Database administrator user credentials (Username and password) are required to access the SmartZone database as it applies to the following types of databases and their default administrator user. • MS SQL – SA • MySQL – ROOT • DB2 – DB2ADMIN

Description

To remove old unwanted events from SmartZone event management it is recommended that event data from the SmartZone database is purged periodically as doing this can also improve performance of the SmartZone software as well as reducing the time it takes to perform a database upgrade.
NOTE: (It is highly recommended that the database is purged before every upgrade as doing this can reduce total down time).

Performing the Procedure

1. Stop the SmartZone Application Server Service from Windows services.
2. Log into the database using the Administrator credentials and modify the provided SQL statement for the corresponding database (Purging procedure sections)
3. Accommodate the number of days that need to be kept in the database (number -60 in red), this statement will delete all the records that are older than 60 days, if more days need to be deleted this number should be smaller to reflect the number of days to keep.

Note: If all records need to be deleted this number should be zero (0).

Purging Procedure (MS SQL)

Note: Copy and paste into query window.

```
exec sp_MSforeachtable 'ALTER TABLE ? NOCHECK CONSTRAINT ALL' ;
delete from pa_eventlog where pa_eventtime < (DATEADD(dd, -60,
GETDATE()));
delete from pa_eventlogdata where pa_eventlogid not in (select
pa_eventlogid from pa_eventlog);
delete from pa_eventstatuslist where pa_eventlogid not in (select
pa_eventlogid from pa_eventlog);
exec sp_MSforeachtable 'ALTER TABLE ? CHECK CONSTRAINT ALL';
```

Purging Procedure (MySQL)

Note: SQL statements need to be entered one at the time.

```
set foreign_key_checks=0;

delete from pa_eventlog where
pa_eventtime < DATE_SUB(CURRENT_DATE, INTERVAL 60 day);

delete from pa_eventlogdata where
pa_eventlogid not in (select pa_eventlogid from pa_eventlog);

delete from pa_eventstatuslist where
pa_eventlogid not in (select pa_eventlogid from pa_eventlog);

set foreign_key_checks=1;
```

Purging procedure (DB2)

Note: SQL statements need to be entered one at the time.

```
set foreign_key_checks=0;


    delete from pa_eventlog where
    pa_eventtime < DATE_SUB(CURRENT_DATE, INTERVAL 60 day);

    delete from pa_eventlogdata where
    pa_eventlogid not in (select pa_eventlogid from pa_eventlog);

    delete from pa_eventstatuslist where
    pa_eventlogid not in (select pa_eventlogid from pa_eventlog);

    set foreign_key_checks=1;
```

Removing Indexes

1. Go to the following location

C:\Program Files (x86)\PANDUIT SmartZone\jboss\server\pvng\pim-indexes

2. Remove all the directories
3. Start the SmartZone Application Server service and log in.