Deployment Guide

Starter Pack

For B2Bi Sentinel Visibility

Sentinel Web Dashboards package for B2Bi

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Document History

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0.1	5 March 2020	Creation	Murali Panidepu	Patrick Guevara
1.0	20 March 2020	Reviewed	Murali Panidepu	JB/ Christian Hartmann
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PURPOSE

This document describes steps for importing the sentinel Web Dashboards package for B2Bi, needed prerequisites and an overview of the Web Dashboards in the package .

WHO SHOULD READ THIS MANUAL?

The document addresses audiences to anyone who needs to use Sentinel for reporting and Web Dashboards

PRIOR KNOWLEDGE

We assume the reader has knowledge of Sentinel and B2Bi solution.

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Sentinel Web Dashboards

Axway Sentinel enables you to monitor your business processes from end-to-end across multiple applications. Sentinel captures events from both Axway and third-party applications and systems, enabling you to track data as it flows through your system, anytime, anywhere, 24 hours per day.

Sentinel enables you to design and use <u>Web Dashboards</u> that can be displayed as a web page or on a mobile device. Web Dashboards provides users with up-to-date information in a centrally managed, easily accessed, location. For example, users can view file transfers, B2B transactions in one central location.

Reference

WebDashboard User Guide

https://docs.axway.com/bundle/Sentinel 420 WebDashboardUsersGuide allOS en webhelp/page/Content/AxwayStartPage WebDashboard.htm

Webdashboards Sample Package Overview

This Package provides a set of Web Dashboards/reports which could give a starting point for visibility into B2Bi transfers using the Web Dashboards technology and represents different ways of presenting the data using Web Dashboards. Here is the list overview: 1. Summary Dashboard 2. Top 10 partners 3. Transport Statistics 4. Message Search (with detailed filters) and drill down to details 5. Message Statistics with drill down to details.

Additionally, in this update the following features are added with the support of B2B Rest APIs and server-side custom programming. From the Message Search dashboard external components links will provide the ability to download and reprocess messages

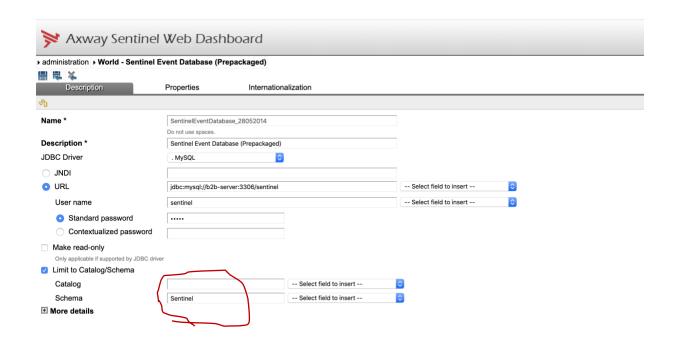
- 1. View sent payload.
- 2. View received payload.
- 3. Reprocess the message.
- 4. Resend the message.

Prerequisites:

- Download the Web Dashboards package to your local filesystem from the following source.
- GIT HUB Location
- https://github.com/muralipanidepu/axway b2bi repository/blob/2024 SentinelWebDashboard update/OOB DBD exportXML.zip
- Download the custom component zip from the following path.
- https://github.com/muralipanidepu/axway b2bi repository/blob/2024 SentinelWebDashboard update/spec.zip
- B2Bi is configured to send Sentinel Events.
- A B2Bi user with a RestAPI Role.
- Login to the Sentinel Web Dashboards with Admin user rights
- From the menu-> **DataManagement->,World,** select the World and make sure the default World "Sentinel Event Database" exists and it refers to your sentinel database.



 Edit the SentinelEventDatabase world and update the Schema field with the name of your "Sentinel" Schema.

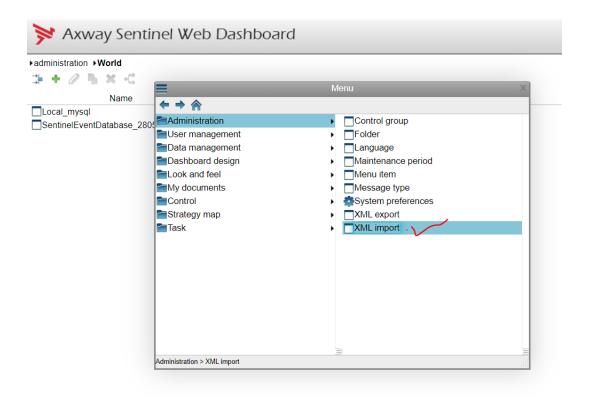


Steps to IMPORT The package:

- The Import contains 2 Parts:
 - 1. WebDashboard exports zip file
 - 2. Server components code (JSPs) for download/reprocess functionality.

Step1: Import WebDashboard zip file.

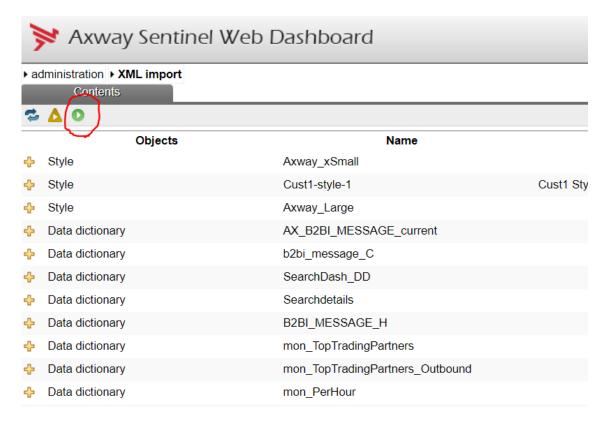
From the Administration menu, select "XML import"



- Select the package from your local path and choose "OOB_DBD_exportXML.zip"
- Select the Green next button



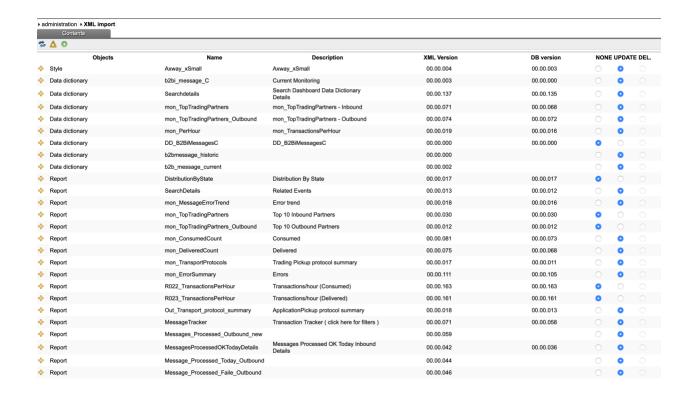
Select the "TO Import" button highlighted below.
 (Note: it should display a longer list than shown in the screenshot)



Note: You would have successfully imported the Web Dashboards package with the above step.

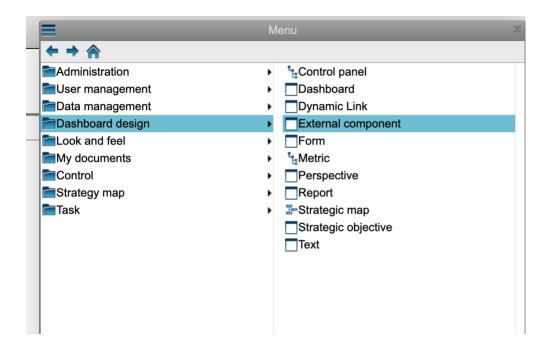
Updating the Dashboards

- When the updated version of dashboards is made available, it would be easy to update the dashboards by simply following the above Steps.
- Updated components would be showed up selected under the UPDATE status as shown below.
- It's up to the user whether to override the Object by selecting the right option from the UI.



Step2: Update External components for Message Download and Reprocess

- 1. Login to the Sentinel WebDashboard UI
- 2. Open the External Components



3. Following components should be visible under the External components.



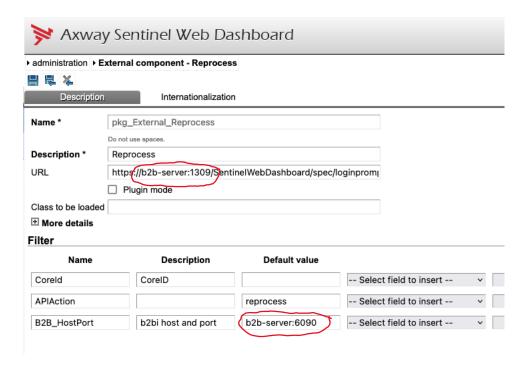
4. These components have reference to your Sentinel host/port and B2Bi Host/Port. Please make sure you update those values with the appropriate values.

For Example, as shown in the following picture the highlighted values must be updated to your respective hostnames.

In the URL: replace https://b2b-server:1309 with your <sentinelhost>:<port>

And B2B_HostPort value "b2b-server:6090" must be updated to your <b2bhost>:<port>

Note: Make these changes to all the 4 External Components.



Step3: Deploy the Server components.

- Stop the sentinel server.
- Unzip the downloaded "spec.zip" file from the git and Unzip to your local path.
- Upload the following ".jsp" files to the following folder on your Sentinel machine.

```
loginprompt.jsp
B2B_MessageAPI_Reprocess.jsp
B2B_MessageAPI.jsp
```

<your install path>/sentinel/Sentinel/jetty/webapps/SentinelWebDashboard/spec

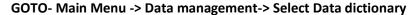
Note: if the folder spec doesn't exist you can create with the name.

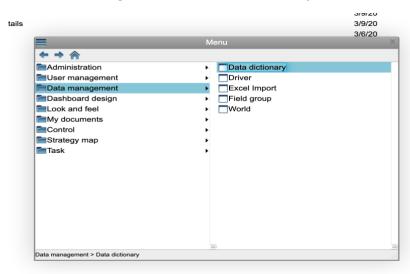
 Edit the B2Bi_MessageAPI.jsp and provide the username/password of a b2bi user with RestAPIRole in the line shown below. Note: This JSP page is server-side program and not visible to external users.

SQL EDITS

Step1: Update Free Form SQL Data Dictionaries for Non-MySQL DB

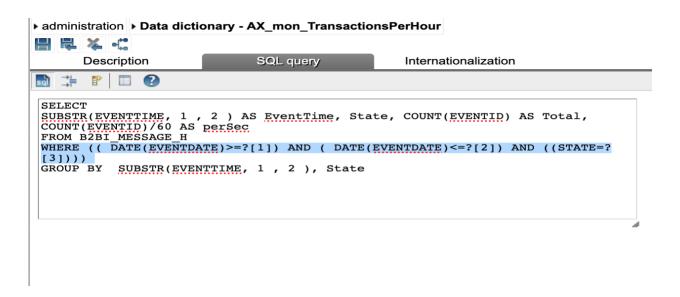
Note: A few data-dictionaries use Free Form SQL and these queries are built on MySQL DB, to use with ORACLE DB few changes have to be made to following Data dictionary.





#1: Edit the AX_mon_TransactionsPerHour

Goto SQL query tab



- Replace the where condition
- FROM MYSQL

WHERE ((DATE(EVENTDATE)>=?[1]) AND (DATE(EVENTDATE)<=?[2]) AND ((STATE=?[3])))

TO ORACLE

WHERE ((TRUNC(EVENTDATE, 'DD')>=?[1]) AND (TRUNC("EVENTDATE", 'DD')<=?[2]) AND ((STATE=?[3])))

- TO SQLSERVER
 - o Replace the where condition with the following statement

WHERE ((CONVERT(date,EVENTDATE) >=?[1]) AND (CONVERT(date,EVENTDATE) <=?[2]) AND ((STATE=?[3])))

o Replace the **SUBSTR** function with SUBSTRING

#2 For Data dictionaries : mon_TopTradingPartners – Inbound and mon_TopTradingPartners - Outbound

Update the LIMIT statement when using ORACLE DB and SQL Server DB

From MYSQL

LIMIT 10 OFFSET 0

- TO SQLSERVER
- 1. Replace SELECT with SELECT TOP 10
- 2. Delete the statement "LIMIT 10 OFFSET 0"

TO ORACLE

For ORACLE Version 12c and above use the following syntax

Replace LIMIT 10 OFFSET 0 to

OFFSET 0 ROWS FETCH NEXT 10 ROWS ONLY

For ORACLE Version 11g use the following syntax

Step1: wrap the query around the select statement : Select * from (

Step2: add a closing where condition:) where rownum <=10

Step3: Delete the statement **LIMIT 10 OFFSET 0**

Example:

Select * from (

SELECT ReceiverName, count(*)

FROM b2bi_message_h

WHERE

EventDate >= ?[1] AND EventDate <= ?[2] AND

STATE = 'Delivered' AND Direction = 'Outbound'

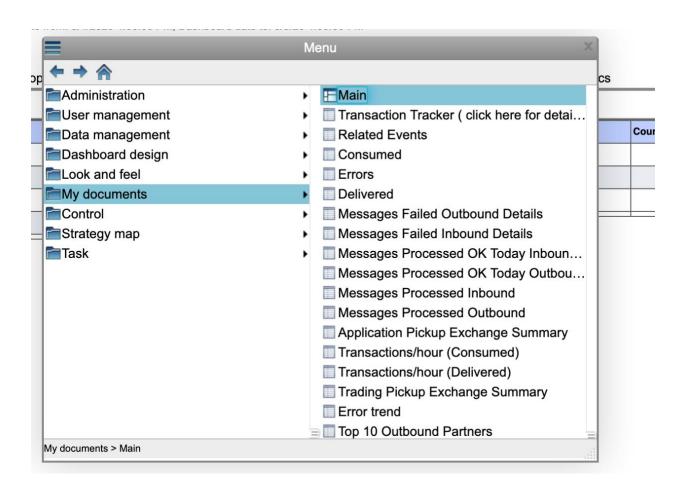
GROUP BY ReceiverName

ORDER By Count(*) DESC

) where rownum <=10

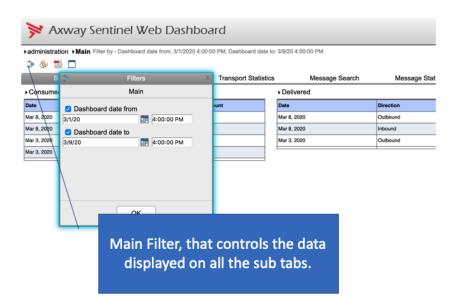
VIEWING the Web Dashboards

GOTO main menu, My documents -> select Main



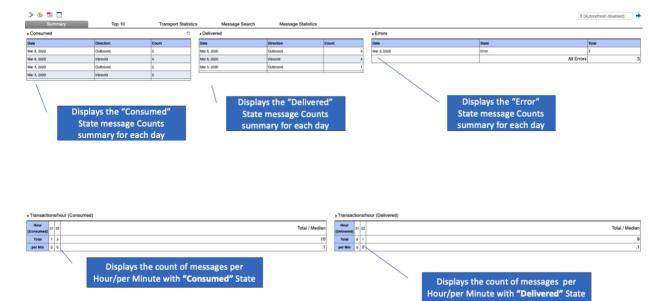
- By Default, Web Dashboards are set to current date range, and to update the date range. Click on the Update the Date Filter:
- Click on the filter ICON (first one from the left) and choose the From and TO date range.
 - o Note: this filter will be applied to all the TABS in the Main Web Dashboard

Main Dashboard Filter



- NAVIGATE through different Web Dashboards by clicking on the different TABS
 - Find below the DESCRIPTION about each Web Dashboard and the different elements in the Web Dashboards

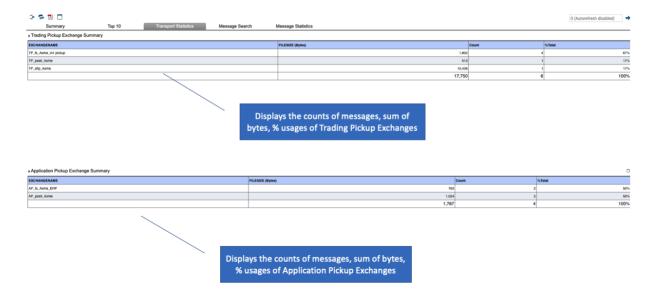
Summary

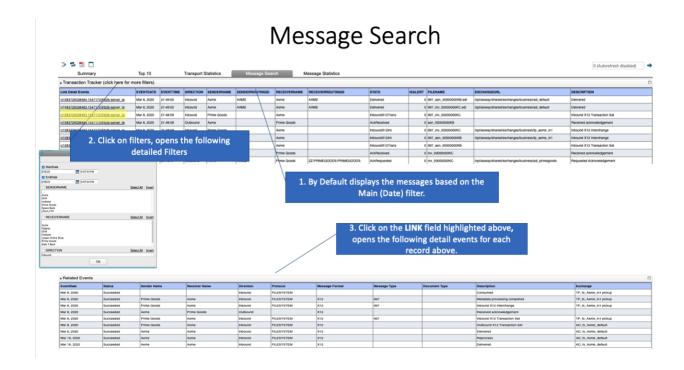


Top 10



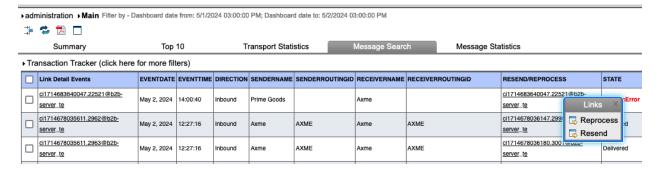
Transport Statistics





Message Search Reprocess/Resend Messages

• Click on the RESEND/REPROCESS Column and select an action from the Popup.



Limitations:

Resend/Reprocess actions in the Message Search Dashboard works only on the Trading Engine
 Processing States as the feature is using the RestAPI support which is limited to Trading Engine.

• Provide the B2Bi RestAPI username/password authentication.



• On Successful processing following notification will be displayed.



200 Message with ID: 161391511 sent for reprocessing

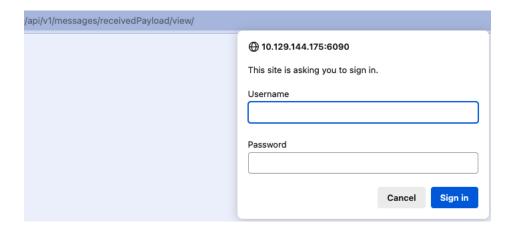
Show Received Payload and ShowSentPayload

• Click on the FILENAME Column and select an action from the Popup.



• Provide the B2Bi RestAPI username/password authentication.

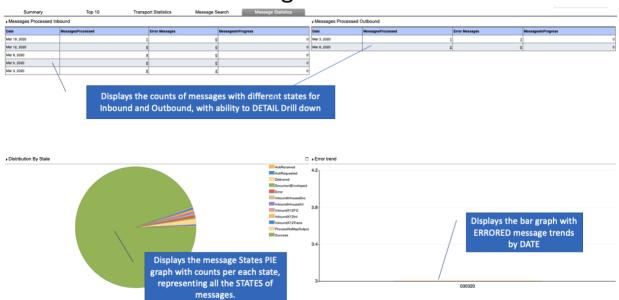
Note: if the User session already authenticated previously this authentication pop-up is not shown.



 Payload is displayed on the Browser if the authentication is successful and your B2Bi is accessible.



Message Statistics



Message Statistics

contd..

