Analytics and Alerting libraries

Alerting library

You monitor your business processes to proactively setup alerting on potential issues that could disrupt your business processes. Business Process Monitoring continuously and automatically collects alert information from the managed systems. It provides immediate feedback with alerts that are evaluated through well-defined thresholds. The alerts are displayed in the alert inbox in SAP Solution Manager. Additionally, you can display the alerts in the context of the business process graphic to see which parts of the business processes are impacted.

In the alerting library the environment automatically collects all alerting objects assigned to processes, process steps, interfaces, and interface steps. Although you could create alerting objects also in the library, this is not recommended, as information for alerting objects can only be consumed if they are assigned to a process element.

**Definition**

The alerting library is a collection of alerting objects that retrieve data from the managed systems and deliver an immediately filtered and evaluated measurements. The alerting library is the central place to maintain the alerting objects and their configurations.

The library allows you to organize the alerting objects by creating folders and distributing the alerting objects within these folders. For example, you can structure the alerting library per managed system, per monitoring responsibility, per organizational unit or geographical region.

**Recommendation**

The alerting library should not use more than 2-3 levels. Please check the appendix for naming conventions.

On the one hand alerts deliver instantly an evaluated feedback (e.g. via notifications) if for instance the measured values exceed a defined threshold. On the other hand you can also use analytics objects to collect managed system data into the SAP Solution Manager for later evaluation and analysis.

Analytic library

Analytics means analyzing managed system business data to identify and resolve the root cause of business issues in order to improve customer processes. To setup analytics you need to define analytics data collection objects in the analytics library. These analytics objects correspond to the actual data collection objects in the managed systems and make the business data available for further analysis in respective SAP BW info cubes in SAP Solution Manager.

**Definition**

The analytics library is a collection of analytic objects that retrieve unfiltered and unevaluated data from the managed systems for later analysis. The analytics library is the central place to maintain the analytics objects and their configurations.

You can structure the analytics library according your needs.

**Recommendation**

The analytics library should not use more than 2-3 levels. Please check the appendix for naming conventions.

The actual data analysis is done in the SAP Solution Manager business process analytics application.