Note Language: English   Version: 1 Validity: Valid Since 15.09.2010

Summary

Symptom

You are running a supplier collaboration SNC scenario. The data in your processes are always stored in documents (that is, you are not running a time series based process). You have several customer locations, hundreds of suppliers and a massive amount of location products in your system, but each supplier is shipping only a limited amount of products at a low frequency.

You either use all product transportation lanes or have a very high number of transportation lanes in your system. As a result, the default lane-based selection method of the Alert Monitor has performance problems.

Other terms

selection object, SMIALRT, PDNF_NEW, ODM_PO,

Reason and Prerequisites

Make sure the note 1508532 is implemented if it is valid for your SNC release

Solution

Under the conditions outlined above, changing the selection object behind the alert monitor might improve the performance of the alert monitor queries. If all processes are based on documents, an ODM-based selection will return the location products that have taken part in any activity and might perform better than the default, lane-base selection object.

To change the selection object for the alert monitor, first check the default settings in IMG:

- o   In the transaction SPRO, select SAP Reference IMG and open the view under Supply Network Collaboration -> Basic Settings -> Visibility -> Display SAP Default Selection Modes of Application

- o   Find the entry with "Application Data ID" = SMIALRT and make a note of the details of the entry.

Next maintain the changed selection object for the alert monitor the following way:

- o   Start SPRO and the IMG

    - -   If you want to make the change globally in your system, open the view under Supply Network Collaboration -> Basic Settings -> Visibility -> Set Selection Mode of an Application

    - -   If you want to make the change in a partner- or user dependent way, open the view under Supply Network Collaboration -> Basic Settings -> Visibility -> Assign Partner-Dependent Selection Modes to Applications

- o   Create a new entry with "Application Data ID" = SMIALRT (or update an existing entry if applicable)

- o   Open the value help for the "Selection Mode" field and choose one
     of the selection object starting with ODM_, whichever applies to
     your processes. For example, if you only run the purchase order
     process, choose ODM_PO or if you also run the ASN process, choose
     ODM_POASN.

- o   Copy all other settings from the default entry in the view "Display
     SAP Default Selection Modes of Application"

- o   Save your change

Limitations

Since the ODM selection objects do not provide lane information and only
make those location products visible for which there is at least one
document in the system, some alerts and alert types will not be selected
correctly when using those:

- o   Lane-based alerts will not be selected correctly. These are the
     following:

   -    Alert type "Replenishment Order Could Not Be Sent" (type 7408,
        alert category VOSX)

   -    Aler type "TLB Alert for Transportation Lane" (type 7403, alert
        category TLB1)

   -    Shipment Alerts (alert category SHIPMENT)

- o   Validation alerts might not be displayed if the corresponding
     document was not saved due to validation errors and there are also
     no preceding documents for the same ship-from location, ship-to
     location and product combination.

Header Data

Release Status: Released for Customer
Released on: 15.09.2010   17:23:55
Master Language: English
Priority: Correction with low priority
Category: Consulting
Primary Component: SCM-ICH-AMO Alert Monitor

Valid Releases

Software Component	Release	From Release	To Release	and Subsequent
SCMSNC	510	510	510	X