SAP Customer Activity Repository 1.0 SP03 (New)

Use

As of SAP Customer Activity Repository 1.0 SP03, you can benefit from the following features:

- Supported co-deployment of SAP Customer Activity Repository and SAP ERP on a shared SAP HANA appliance.

  For more information, see:

  - SAP Note 1661202 - Support for multiple applications on SAP HANA
  - SAP Note 1681092 - Multiple SAP HANA databases on one SAP HANA system
  - *Planning* section of the SAP Customer Activity Repository Installation Guide, available under *help.sap.com/car --> Installation and Upgrade Information*.

- Enhanced distribution logic.

  For more information see the *Effects on Customizing* section of this Release Note and the **Enhanced Distribution Logic** release note.

- SAP HANA views to support integration with connected SAP replenishment systems.

- Enhanced Inventory Visibility analysis, which now provides information on cross-company stock in transit.

- *Classify TLOG Tables for SAP Customer Activity Repository* report (`/posdw/classify_tlog_tables`), which allows you to classify tables `/POSDW/TLOGF` and `/POSDW/TLOGF_EXT`. Table classification is required to control the distribution of the tables (or table partitions) across the different nodes of a distributed SAP HANA database.

  For more information, see the documentation attached to the report and SAP Note 1980718.

- Supported integration with LPA, available in connected SAP NetWeaver BW system. For more information, see SAP Note 2010774 - Implementation of Loss Prevention Analytics with SAP Customer Activity Repository.

SAP Customer Activity Repository 1.0 SP03 also includes a number of corrections, described in the SAP Notes listed in the See Also section of this Release Note.

Effects on SAP HANA Content

Several new views have been included in the SAP HANA Content for SAP Customer Activity Repository:

- `sap.is.retail.ecc.ARTICLEPOSCTRL`

  SAP HANA view `sap.is.retail.ecc.ARTICLEPOSCTRL` stores information about which articles are discountable. The `/POSDW/POSCTRL_READER_ECC` implementation of BAdI `/POSDW/POSCTRL_READER` reads the data in this view, and makes it available to the `/POSDW/ANALYTIC_DIST_ENH_IMP` implementation of **BAdI: POS Transaction Data Distribution to Item Level**.
  For more information see the **Enhanced Distribution Logic** release note.

- `sap.is.retail.ecc.CrossCompanyStockInTransit`

  SAP HANA view that provides an overview of the stock that is currently in transit between an issuing location (for example, a store or a distribution center) and a receiving location, when the two locations are assigned to different company codes.

- `sap.is.retail.car.MRPRelevantStockAggregated` and `sap.is.retail.car.MRPRelevantStockByTypes`

  SAP HANA views that provide stock quantities for article location combinations that are relevant for the selected material replenishment planning (MRP) types.
  For more information, see the application help under *help.sap.com/car --> Application Help --> SAP HANA Content for SAP Customer Activity Repository --> Other Content --> View Grouping: MRP-Relevant Stock Information*.

- `sap.is.retail.ecc.AddressTimeZone`, `sap.is.retail.ecc.MARC_stocks`, `sap.is.retail.ecc.MARD_stocks`, `sap.is.retail.ecc.RelevantStockTypesFRE`

  Private views, providing data to the `sap.is.retail.car.MRPRelevantStockAggregated` and `sap.is.retail.car.MRPRelevantStockByTypes` views.

Effects on Existing Data

The data type of the `ROWKEY` column in table `/POSDW/TLOGF` has been changed to `INT4`, allowing to increase the number of line items included in a single POS transaction stored in the `/POSDW/TLOGF` table. For more information, see SAP Note 1989027.

Effects on Customizing

A new Customizing structure node has been added: *SAP Customer Activity Repository --> POS Data Management --> POS Inbound Processing --> Customer-Specific Enhancements and BAdI Implementations --> Enhancements for Distribution*.

BAdI: POS Transaction Data Distribution to Item Level has been moved from its previous location, under *Enhancements for In-Memory Analytics*, to the new, *Enhancements for Distribution*, node. The **BAdI: POS Transaction Data Distribution to Item Level** also has a new implementation `/POSDW/ANALYTIC_DIST_ENH_IMP`.

Furthermore, a new Customizing activity, **Define Distributable Amounts**, has been added under the new, *Enhancements for Distribution*, node.

The new Customizing activity, **Define Distributable Amounts**, and the new implementation of **BAdI: POS Transaction Data Distribution to Item Level**, support the enhanced distribution logic available in this release. For more information see the **Enhanced Distribution Logic** release note.

See also

The following is a list of SAP Notes describing fixes that have been included in the SAP Customer Activity Repository 1.0 SP03 release:

Correction To	SAP Notes
Loss Prevention Analytics	1868425, 1971001, 1976595, 1984284, 1991766
Master data checking	1965345, 1994565
Message log	1976954
Enhanced distribution logic	1971657
SAP HANA views	1975199, 1984950, 2001070
Table classification	1980718, 1991013
Archiving	1988899
Data type of the `ROWKEY` column	1989027
POS Workbench	2003635
Duplicate transaction	1994761, 2006753, 2010745
Customizing entries	1961769
Table replication	1900038

Enhanced Distribution Logic (New)

Use

As of SAP Customer Activity Repository 1.0 SP03, you can benefit from the availability of an enhanced distribution logic.

You can optionally use the new enhanced distribution logic to distribute transaction discounts, taxes and tenders to the individual transaction line items **consistently** during the following activities:

- Inbound processing
- Execution of task 8002 (SAP Standard Profile)
- Execution of outbound tasks for sending data to SAP NetWeaver BW and DMF-based applications (0050, in case of one-step processing, or 2050 and 3050 in case of two-step processing).

Not only does the enhanced distribution allow for a consistent distribution across both inbound and task processing, but it also allows for a more accurate distribution. Instead of a strictly proportional distribution, discounts are only distributed to those line items that consist of articles that are marked as discountable in a source SAP ERP system. Furthermore, taxes of a particular type are only distributed to line items that contain indicators for this tax type in their tax segment.

Effects on Existing Data

If you do not want to use the new enhanced distribution logic, you can continue to use:

- Legacy distribution logic during the execution of outbound tasks for sending data to SAP NetWeaver BW and DMF-based applications.
- BAdI implementation `/POSDW/ANALYTIC_DIST_ITEM_IMP` to perform proportional distribution during inbound processing and the execution of task 8002.

Effects on Customizing

The following changes have been made to Customizing to enable the enhanced distribution logic:

- **BAdI: POS Transaction Data Distribution to Item Level** has been moved in a new location in *SAP Customer Activity Repository Customizing, under POS Data Management --> POS Inbound Processing --> Customer-Specific Enhancements and BAdI Implementations --> Enhancements for Distribution --> BAdI: POS Transaction Data Distribution to Item Level*.
- A new Customizing activity, **Define Distributable Amounts**, provides a set of new, distribution-related options.

- New parameter (`USE_DISTRIBUTION_BADI`) has been added to the following parameter profiles for tasks:

    - Parameters for *Extraction to BW*

    - Parameter for *Supply of DMF-Based Applications* (for both the one-step and the two-step outbound tasks)

  This new parameter allows you to select what type of distribution to use during the execution of outbound tasks for sending data to SAP NetWeaver BW and DMF-based applications.

- A new standard implementation (`/POSDW/ANALYTIC_DIST_ENH_IMP`) has been provided for **BAdI: POS Transaction Data Distribution to Item Level BAdI** (`/POSDW/ANALYTIC_DIST_ITEM`).

Demand Data Foundation 1.0 SP03 with Unified Demand Forecast

Use

As of Demand Data Foundation (DDF) 1.0 SP 03 with Unified Demand Forecast (UDF) on SAP HANA, you benefit from the following:

Enhancements

- The Customizing activity *Define Time Series Source for What-if Forecast* has been added. You can now specify one or more time series source for generating what-if forecasts.

Corrections

- Demand forecasting for large numbers of product locations has been improved.

Effects on Customizing

- The Customizing activity *Define Time Series Source for What-if Forecast* has been added under -> *Cross-Application Components -> Demand Data Foundation -> Modeling and Forecasting -> Define Time Series Source for What-if Forecast*.

See also

For more information about this release, see the following sources:

Purpose	**More Information**
Implementation of this release	SAP Note 1997902 (collection note including related notes)
UDF release note with feature overview	SAP Service Marketplace at http://service.sap.com/releasenotes -> SAP Industry-Specific Components -> SAP for Retail -> Release Notes SAP Customer Activity Repository
List of consuming applications of DDF and UDF	SAP Note 2001688
Improved demand forecasting	SAP Note 2007012
Define Time Series Source for What-if Forecast	Customizing activity documentation