

ORACLE COMMUNICATIONS NETWORK INTEGRITY



THE PROBLEM

According to industry analyst reports, inventory discrepancy levels typically range from 20 percent to 40 percent.

Inaccurate inventory increases capital expenditure, impacts service quality, and compromises financial reporting and compliance.

THE SOLUTION

Oracle Communications Network Integrity enables constant auditing of data quality and provides a user-friendly mechanism to identify and reconcile data discrepancies.

Many network service providers (NSPs) have made considerable investments in a common information model that puts network inventory at the heart of their communications operational support system strategy. These providers now want to leverage the value of this data resource to improve capacity utilization and planning, and to ensure accurate decision-making.

The Issue

The benefits that can be gained from a network inventory system are dependent on the quality of the data it contains. If there are significant data discrepancies between the inventory database and the live network, the business processes that rely on the inventory data will deteriorate and user confidence will erode.

Today the average level of inventory discrepancy is from 20 percent to 40 percent, according to the Yankee Group report, *Data Integrity Management: Managing Business-Critical Data Across NSP's Stovepipes*. Stratecast Partners found that inventory accuracy can be as low as 40 percent. To be efficient and optimized, network operators should have 95 percent or greater accuracy in their inventory. Inaccurate inventory can have many expensive repercussions.

- Inaccurate network asset information can result in erroneous financial reporting—impacting your ability to ensure Sarbanes-Oxley compliance.
- Investment in the inventory rollout can be put at risk.
- Inefficient use of expensive field engineering resources can cause higher expenses and lower profits.
- Network faults can take longer to find.
- Capacity problems not being identified in time can lead to revenue loss.
- An erosion of user confidence.

The Solution: Oracle Communications Network Integrity

The key to network data integrity is constant auditing of the data quality and a user-friendly mechanism to allow data discrepancies to be easily identified and corrected.

Oracle Communications Network Integrity's Reconciliation Manager feature is a generic, scalable tool that accesses both live and inventory data. It compares the two data sources, presents the discrepancies online, and allows correction online. A sophisticated GUI allows users to fix data errors via simple copy and paste operations. Inventory objects can also be directly edited. Reconciliation Manager continuously audits the inventory data to ensure optimum data accuracy.

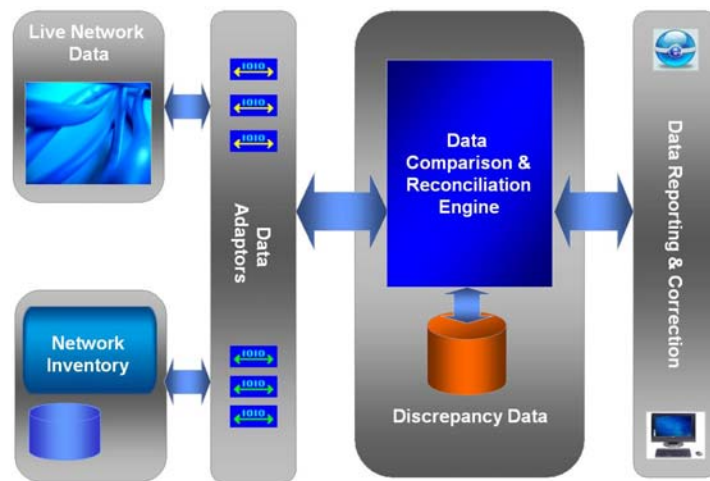


Figure 1: Oracle Communications Network Integrity Reconciliation Manager

Operational Simplicity

Oracle Communications Network Integrity enables you to configure the process to run automatically each day, week, or month. An analysis report detailing the level of data accuracy by technology and vendor is produced for each run.

Reconciliation Manager's GUI lists all objects with discrepancies in a configurable tree browser. The user can simply click individual objects to see both a live view and a model displayed side by side. There is also a Model view that highlights objects with errors, explains the error, and details who created the error model and when.

Users can correct the error by deleting the model object, pasting the correct live object, and then uploading the data to the inventory.

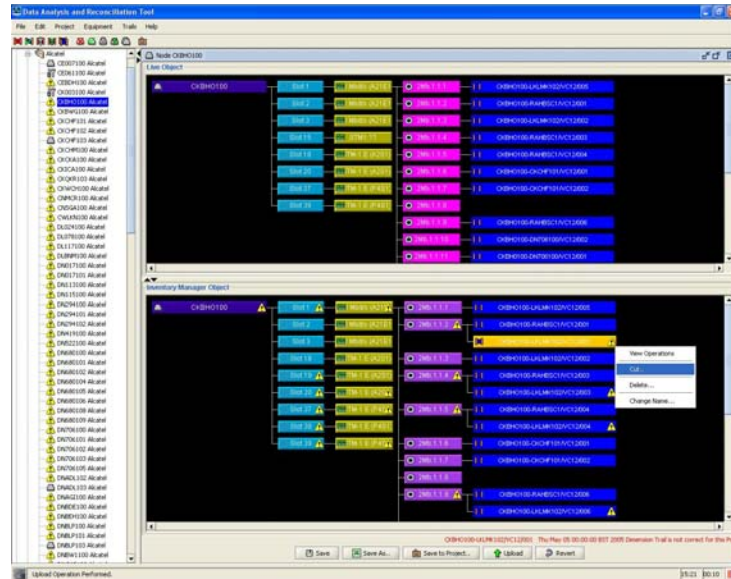


Figure 2: Data Analysis and Reconciliation Tool

Benefits

The benefits of Oracle Communications Network Integrity include

- Intuitive visualization—users can view all data errors via a simple graphical user interface.
- Easy navigation—users can move between views via an object tree browser.
- Simple copy and paste correction—users can copy subobjects from live view and paste them in the corresponding position in the Model view.
- Rapid reconciliation—users can upload corrections automatically to any inventory database via an API.
- Asynchronous comparison—data objects are received independently and can be compared at any time. Objects are time stamped and only those objects with a time stamp within a 24-hour period are compared.
- Reports—users can create and e-mail summaries and detailed reports of discrepancies automatically at whatever interval they specify.
- Traceability—users can input corrections over multiple sessions and maintain an audit trail of all changes.
- Inventory system—agnostic—users can work with any inventory database.

Contact Us

For more information on Oracle Communications Network Integrity, call +1.800.ORACLE1 to speak to an Oracle representative or visit oracle.com

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