

Telcordia® Granite Inventory Discovery & Reconciliation

Discovery & Reconciliation is a module of Telcordia® Granite Inventory that discovers the status and attributes of both physical and logical network resources. Unlike other discovery products, it takes data integrity management to the next level by identifying discrepancies and reconciling those inconsistencies between the as-planned and as-built views of the network.

001

Elevate inventory data accuracy with automated reconciliation

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Reduce downstream fallout and the cost of data upkeep

003

Increase utilization of network and service inventory by recovering stranded assets

- ▶ Rarely does a network exist exactly as it was designed. Every network is dynamically “alive,” growing and changing to support services, customers, and real world conditions. As a result, maintaining a true picture of what resources you have — and how they’re behaving — is a true challenge. It is easy for network assets to get stranded, “lost,” or misidentified, and, unfortunately, a mistake in one database spreads to other systems, leading to increased fallout, added mean-time-to-repair, wasted effort, needless expense, and customer dissatisfaction.

KNOW YOUR INVENTORY LIKE NEVER BEFORE

Discovery & Reconciliation is tightly integrated with Telcordia Granite Inventory to achieve data integrity as high as 95% or more. Its discovery capabilities create the industry’s most complete view of your network, whatever its domain or configuration, and, unlike most other discovery engines, it couples discovery with reconciliation to resolve discrepancies. Its reconciliation component is pre-integrated with Granite Inventory and productized, yet can be enhanced to support customer-specific business rules, which improve its time-to-market and makes it easy to deploy. This module is also supported by a library of off-the-shelf adapters and flexible scheduling algorithms. That means you can trust your data and harness all your resources to make fulfillment responsive and profitable.

DISCOVER EVERYTHING YOU'VE BEEN MISSING

Using multiple, customizable criteria, Discovery & Reconciliation performs discovery by reading and caching physical and logical attributes across all layers — including Layer 2 circuits that are not directly discoverable. It uses two modes of operation: an inventory-based mode that determines discrepancies by verifying resources that are already managed and modeled in the inventory system; and a network-based mode that uses the network as the master to determine any discrepancies.

To support the network-based approach, the module allows users to run a controlled network sweep to discover all the nodes in the network or managed by a network management system, or to discover all logical assets, e.g. Virtual Private Networks (VPNs), associated with a particular network element. Digging deeper, its advanced inference algorithms can locate circuits based on network connections, links, and cross-connects.

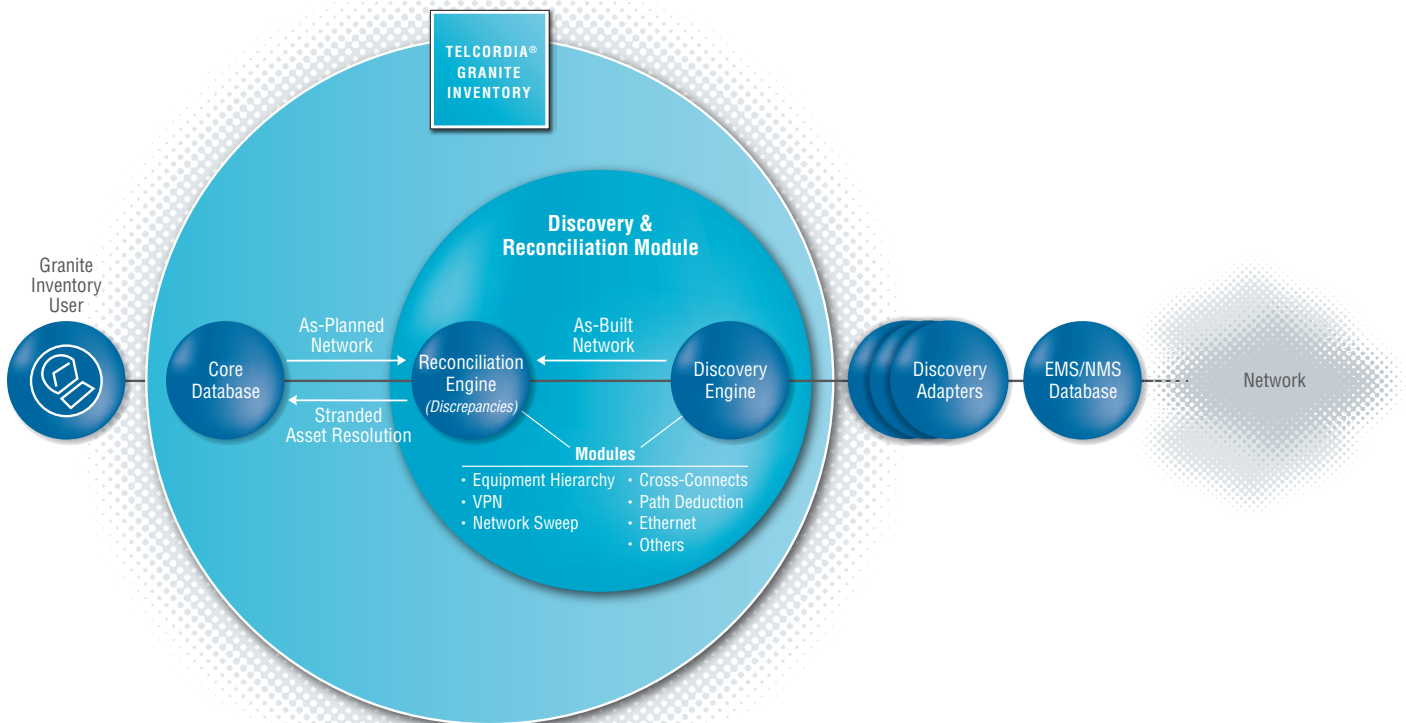
RECONCILE YOUR DIFFERENCES

No discovery engine is complete unless it can use what it finds to improve your operations. That's why our module doesn't stop at

THE TELCORDIA FULFILLMENT SUITE

- The Telcordia Fulfillment Suite offers a flexible, proven end-to-end approach for managing product lifecycles and inventory, provisioning automation, manual work activities, fallout resolution, and number management. It uses data partitioning, data federation, and automated synchronization to help you leverage all of your network resources so you can speed services to market, lower operational costs, and reduce total cost of ownership across a complex supply chain.

Discovery & Reconciliation Flow



discovery. It compares objects between the Granite Inventory core database and other systems, and automatically recommends ways to fill gaps, correct mistakes, and synchronize disparate information. It can be programmed to fix recurring errors automatically, and it performs ongoing audits to verify that network changes and deployments are captured. Its ultimate goal, however, is to help improve the underlying process, and therefore help prevent discrepancies from occurring in the first place.

USE IT YOUR WAY

While Discovery & Reconciliation is pre-integrated with Granite Inventory, it is also highly customizable. On the discovery side, adapters can be enhanced by Telcordia or our partners. For reconciliation, you can tailor the discrepancy analysis as well as the discrepancy resolution by changing or adding reconciliation rules. You can also choose to receive automatic updates or manage discrepancies through the user-friendly, web-based Discovery Graphical User Interface (GUI).

GET TO THE HEART OF ANY NETWORK

Whatever your size or technology mix, Discovery & Reconciliation covers all networks and layers, including:

- **Domains** – IP, MPLS, Ethernet, ATM, FR, DSL, SONET, PDH, SDH, FTTx, WiMAX, wireless, and others
- **Physical Assets** – chassis, shelves, slots, cards, ports, interfaces, etc.
- **Logical Assets** – IP configuration parameters, such as Access Control Lists (ACLs), VPN parameters, Quality of Service (QoS), cross-connects, etc.
- **Circuits and Services** – Path audits for DSL, ATM, FR, VP Trunks, PVCs, VPCs, PVCs over VPC, Layer 1 circuits, etc.

DISCOVER A BETTER WAY

With Discovery & Reconciliation, you can automate processes that are time-consuming, notoriously imprecise, and routinely postponed. Contact us to learn more about this critical module to Granite Inventory, and how its impact on data integrity can lead to better use of people, network assets, and precious capital resources.

• AT A GLANCE

- Discovery & Reconciliation, a module of Telcordia Granite Inventory, significantly improves the accuracy of inventory data by:
 - Discovering the status and attributes of physical and logical resources, even objects that are not directly discoverable
 - Identifying and reconciling discrepancies between network and inventory
 - Recovering stranded assets
 - Delivering a highly detailed, accurate view of your network
 - Keeping your Granite Inventory database-of-record fully synchronized.



For more information about Telcordia Technologies, contact your local account executive, or you can reach us at:

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