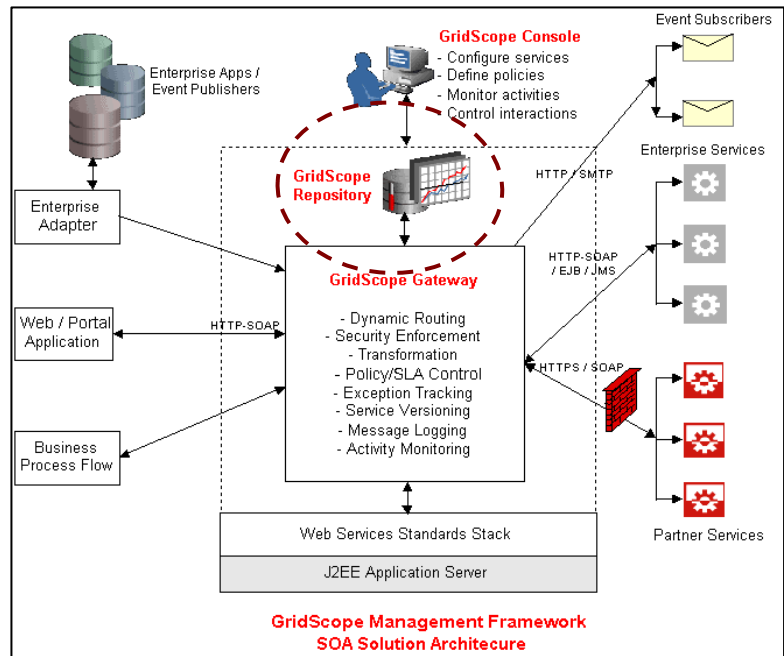


GridScope Service Repository

The Foundation of SOA Management

*A first-of-its-kind,
dynamically updating repository
for storing service assets*



Service Discovery and Reuse across the Enterprise

One of the much touted advantages of Web Services and SOAs is the ability to discover and reuse services across the enterprise. However, most services are developed for limited point-to-point integration efforts. Without some form of registry or repository, these services will remain in the narrow silos where they were created and be invisible to the rest of the enterprise.

GridScope raises the standard for discovery and reuse of business services. As SOA initiatives have matured, companies at the forefront of agile business development have recognized the need for registry capability. But most companies stop after adding a registry that simply points to the location of their services. GridScope goes a step further and uses a repository to store all the service-related assets (such as Service Level Agreements (SLA) and policies).

Dynamic Auto-registration of Services

Adding a registry to your SOA framework is not enough. Just because you install a registry doesn't mean it will remain current, keeping all your services listed and available. Additional effort is required to keep it up to date with the latest versions and new services as they are created. Waiting on developers or business managers to register the services can mean lost time and opportunities for other potential service users.

The GridScope Repository resolves this issue by automatically checking for new or updated services in any UDDI-compliant registry the user specifies on a user-defined timeframe. When a new or updated service is discovered, it is dynamically added to the repository and instantly made available to the entire enterprise. No server shutdowns or reboots are necessary.

The auto-updating capability can also reduce implementation cost when installing the GridScope Framework. The GridScope Repository can automatically ingest any services from a UDDI-compliant registry (public or private), saving the time and trouble of manually registering them.

Everything in One Place

Most companies fail to realize the full potential of SOA due to the lack of a well-designed and managed service repository. Analysts from Gartner Research have identified an integrated registry-repository as a key SOA-enabler.

The GridScope Repository stores crucial information needed for defining and provisioning services - service definitions and configurations, service interactions, policies, SLAs, and so on. The Repository is persisted in a high performance data store and can be viewed and managed using the GridScope Console.

Storing all service-related assets in a centralized fashion significantly improves performance and reliability. When a requestor wants to call on a service,

everything they need to realize that service is readily available.

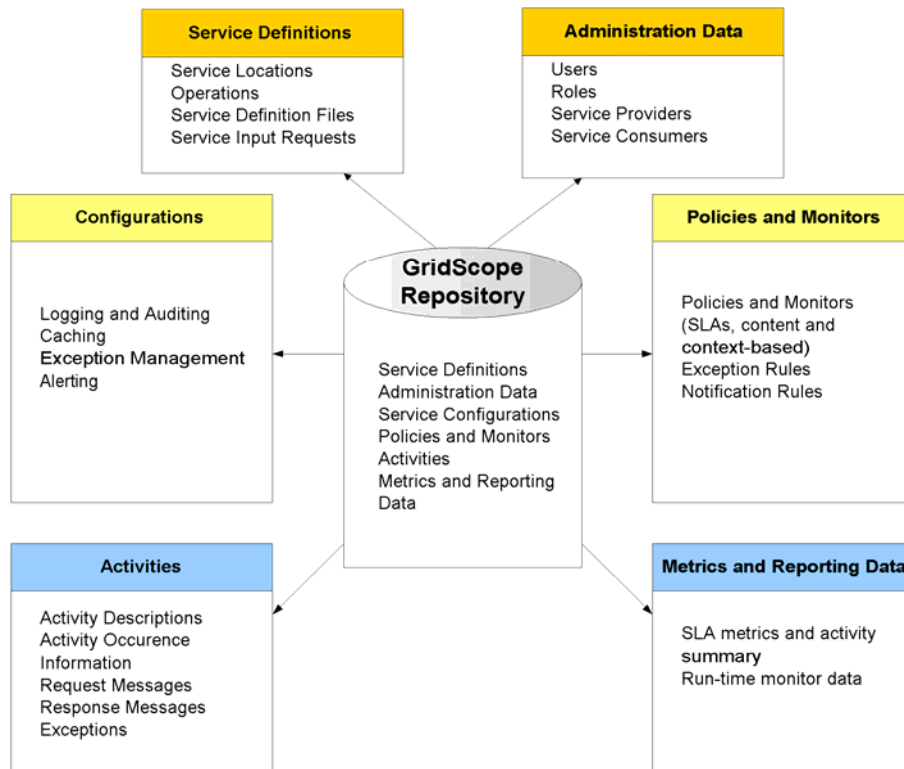
Federating Management for Accountability

In today's networked business environment, the success of your business processes, and ultimately your business, may depend on the performance of someone else's services. A key challenge in this environment is how to provide accountability for services your business does not own—in other words, how to achieve federated management of all your business services.

By allowing you to define and store your own management logic independent of the business logic driving the service, GridScope gives you the ability to control any service you consume, regardless of where it originates. You can define and store your own consumption-based policies and exceptions for external services in the GridScope Repository, regardless of the particulars of the underlying business processes. The GridScope Gateway then applies the policies dynamically at runtime.

The benefit of the GridScope Repository is an increase in the availability of all services through automatic updates and performance caching of service assets. This drives a secondary benefit of increasing service reuse across the enterprise.





Repository Features

Centralized Data Store for Service Assets

Stores all service data and metadata, not just registry information, in a centralized fashion.

- Service Definitions
- Service configurations – lookup, connectivity, binding, transformation, caching, logging, exceptions, and monitoring
- Governance (policies, rules, alerts)
- Service Level Agreements (SLA)
- Service providers
- Service consumers

Configurable Auto-updating of Services

Proactively seeks out new and updated services and automatically registers them so they are available to the entire enterprise. Automatic discovery can be configured to occur at any interval the user desires.

Batch Registration of Services

Electronically registers batches of services from any other UDDI-compliant registry, either public or private. Can be configured to automatically update from the same registries to capture new or updated services.

Performance Driven

The Repository is maintained in a high-performance data store to minimize response time.

Caching of Service Assets

Provides auto-update of high-performance cache with service configurations and other service assets, as appropriate.

Standards-based Access

Uses UDDI for service registration and lookup.