

What's New in Lifecycle Manager™ 7.0?

Lifecycle Manager 7.0 provides a broad set of new and enhanced integration capabilities for API and SOA initiatives, improving automation and reducing the burden on architects, developers and IT administrators. In addition, impact analysis support for architects and other IT and business stakeholders is enhanced through improved visualization, reporting and Semantic Web features.

Cloud Provisioning Integration

Cloud Provisioning Integration – Lifecycle Manager 7.0 extends its previously delivered DevOps integration capabilities with prebuilt cloud provisioning platform integration tasks. In this extended DevOps scenario, Lifecycle Manager can now automatically deploy an approved build into a dynamically provisioned cloud instance and update the Policy Manager physical service with the resulting endpoint. This scenario supports both microservice and traditional service provisioning models, where microservices are typically associated one-to-one with deployable units, and traditional service deployment models supporting a one-to-many relationship between deployable module/component/application and the services supported by that deployable unit.

Fully Automated Runtime and Portal Provisioning

Fully Automated Runtime and Portal Provisioning – Lifecycle Manager's integrations with Policy Manager and Community Manager now support fully automated provisioning, including traditional SDLC-based, "one-click" registration, and API-based DevOps automated provisioning modes. A single service can be concurrently virtualized to support traditional SOA, LOB-based (internal) API, and business-partner (external) API models.

Multi-Tenant Portal Provisioning

Multi-Tenant Portal Provisioning – In addition to the automated capabilities discussed above, Lifecycle Manager now provides full support for API fanout across multiple Community Manager portal tenants. A single service can be exposed in specific ways to internal and external consumers, or even to multiple partner-specific branded portal tenants. Lifecycle Manager also provides a REST API to support automated (e.g., script-based) connection to a newly configured Community Manager tenant. This, combined with Community Manager APIs, enables full automation of new tenant creation and population for customers with the requirement to dynamically provision tenants on an on-demand basis (e.g., as a new business partner is onboarded).

Asset Enhancements

Asset Enhancements – The following enhancements to Lifecycle Manager's asset content viewing and editing capabilities have been incorporated into this release:

- **RAML and WADL Specification Support:** In addition to Swagger, REST services/APIs can now be specified via RAML and WADL document within Akana's

integrated product suite, with Lifecycle Manager automatically propagating the resulting interface definition to both Policy Manager and Community Manager.

- **Orchestrated Service Support:** Both top-down (i.e., interface-first) and bottom-up (i.e., implementation-first) services developed using Policy Manager's process orchestration engine can now be automatically synchronized with Lifecycle Manager. Such services can then be SDLC-governed and/or exposed as APIs using the same patterns as any other Lifecycle Manager populated service.
- **Double-Hop Proxy Support:** Lifecycle Manager now supports the automated provisioning of the double-hop proxy service pattern, where a service/API is exposed first into a DMZ-hosted gateway and then further protected via an internally-deployed gateway instance prior to inbound messages ultimately reaching the container where the physical service implementation is deployed.
- **Asset State Visualization:** Configuration Designer can now be configured to automatically generate a visual state diagram of each configured SDLC process. This representation can then be launched from each service instance (for example) to visually indicate the current SDLC state of the service. This same diagram is also used to produce a graphical reference model that can be populated into Lifecycle Manager to enable visual search by state.

Extended Community Manager API Access Workflow

Extended Community Manager API Access Workflow – Community Manager's default API Access workflow can be extended to produce dynamically generated forms and configurable approval processes managed by Lifecycle Manager. These API Access processes result in automatically populated consumption dependency relationships between portal-specified Apps and Lifecycle Manager provisioned APIs. These relationships can be navigated and viewed visually like any other Lifecycle Manager managed relationship, thereby providing IT architects and other interested stakeholders with a comprehensive view of all internally and externally derived dependencies across the enterprise service and API landscape.

Infrastructure Enhancements

Infrastructure Enhancements – Lifecycle Manager 7.0 provides integration support with the latest releases of various supporting technologies.

RDB support: Oracle 12g is now a supported RDB deployment option for Lifecycle Manager.