

# What's New in Lifecycle Manager™ 7.1?

Lifecycle Manager 7.1 adds support for advanced API and SOA scenarios. In addition, this release includes integrations with Akana's Envision analytics platform and Slack.

## Slack Integration

**Slack Integration** – Lifecycle Manager now supports automated postings to Slack channels and users based on automation activity. Specific scenarios supported by this integration include:

- Notification of role-based approvers via Slack channel – for example, a customer can configure an “architects” channel to receive signoff requests for service provisioning or an “apiproductmanagers” channel to receive API provisioning requests.
- Notification to users when their submission request is approved or rejected.
- Notification to users when their submitted asset is published.
- Notification of publication events via Slack channel – for example, a customer can configure a “services” channel to receive postings whenever a Service asset is published

Each Slack notification imbeds a url to the relevant Lifecycle Manager page or dialog, thereby enabling Slack users to quickly access dev-time Service and API information of interest.

## Envision Integration

**Envision Integration** – A new Envision connector is available in Lifecycle Manager 7.1. When configured, this connector feeds relevant asset and governance information to Envision for exposure in Envision's dashboard. This connector provides two out-of-the-box dashboard graphs:

- Service Lifecycle Velocity: a graph which shows average transition times for the organization's services as they progress through the organization's SDLC gates with group-specific drilldown
- Service Heat Map: a pie chart which displays service counts organized into the organization's business domains with drilldown to subdomains and lower levels as specified in Lifecycle Manager's configuration

## Service and API Provisioning Enhancements

**Service and API Provisioning Enhancements** – Lifecycle Manager 7.1 provides support for the following advanced service and API provisioning scenarios:

- **Swagger 2.0 Support:** When deployed in conjunction with Policy Manager 8.0, Lifecycle Manager 7.1 supports Swagger 2.0-based descriptor documents in a normalized manner alongside RAML, WADL and WSDL document formats.
- **Multiple Listener Support:** When multiple listeners of the same type (e.g., inbound and outbound HTTP listeners) are defined for a container, Lifecycle Manager now allows direct selection of a specific listener during specification of Runtime

Configuration assets, thereby ensuring that services and APIs are configured correctly in Akana's API Gateway.

- **Operation-Level Policy Support:** Lifecycle Manager now supports the ability to automatically assign API Gateway Operational and QoS policies directly on specific service and API operations in addition to the service-wide policy automation provided in Lifecycle Manager 7.0.
- **SOAP-to-REST Automated Provisioning:** REST APIs can now be automatically generated over underlying SOAP services using Lifecycle Manager's SOAP-to-REST provisioning support. Once API owners specify a REST-based descriptor document using Swagger, RAML or WADL, they are then given access to a dialog that allows the API owner to map each REST operation to an underlying SOAP operation. Lifecycle Manager primes this dialog with operation name matches where possible, simplifying the mapping exercise for simple SOAP-to-REST scenarios. Once the resulting API is published, Lifecycle Manager provisions the underlying API Gateway virtual service with primed operation-specific process definitions linking the API operation to the specified SOAP service operation.

## Automation Enhancements

**Automation Enhancements** – Lifecycle Manager 7.1 provides additional specialized REST APIs to support automated invocation of the tab-delimited file importer and to automatically clear content from an existing library (useful for testing purposes). These APIs complement the API-provisioning REST API previously released as part of Lifecycle Manager 7.0 (note that the provisioning API now supports Swagger 2.0 as described above when deployed in conjunction with Policy Manager 8.0).

## Infrastructure Enhancements

**Infrastructure Enhancements** – Lifecycle Manager 7.1 provides integration support with the latest releases of various supporting technologies.

**RDB support:** SQL Server 2014 is now a supported RDB deployment option for Lifecycle Manager.