IBM Security Identity Governance and Intelligence
Version 5.2.1

Reference Topics

IBM

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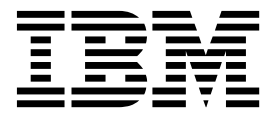
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Application programming interfaces

Application programming interfaces (APIs) are part of a plug-in model that you can use to add applications without disrupting existing applications.

Remote application programs run outside of the Identity Governance and Intelligence Java™ virtual machine (JVM). Classes outside of the application packages are not intended to be started by a remote application. Classes in remote applications are documented under the Identity Governance and Intelligence application packages. Server extensions, which run in the Identity Governance and Intelligence JVM, can use any of the classes that are listed in the published API documentation (Javadoc). They are Java classes that run in the same JVM of the caller. These APIs are used to develop Identity Governance and Intelligence customization and extensions that can plug into Identity Governance and Intelligence.

Several application APIs can be started by a remote application. A few server extension APIs in the data services package are also included. The following application APIs are intended to be started by a remote application:

Identity Governance and Intelligence Software Development Kit (SDK)

The Identity Governance and Intelligence SDK can be accessed directly from the Virtual Appliance Dashboard. The SDK contains the following elements.

Table 1. Identity Governance and Intelligence SDK contents

Folders	Contains the following files
/javaDocAGCore	The Javadoc, which provides the documentation for the Identity Governance and Intelligence EJB
/Readme	A README.txt file
/src	The source code of the SDK
/lib	The binary versions of the IBM® Security Identity Governance libraries and WebSphere® Application Server client to compile the SDK source.
/sas.client.props	The WebSphere Application Server access configuration information
/ssl.client.props	The SSL information

EJB APIs

The Javadoc includes a set of Java packages that contains:

- The interfaces and methods for managing a certain set of functions, and
- The EJB that these interfaces and methods use

These packages allow a third-party application to establish interoperability with Identity Governance and Intelligence and calls a large set of functions, through EJB technology.

The main package of this set is `com.engiweb.profilemanager.common.interfaces`. It contains:

- The main set of interfaces for the interoperability with the Access Governance Core module
- The Interface ISec API, for managing the authorization function

For more information, see the Identity Governance and Intelligence Javadoc

REST APIs

The REST APIs provide third-party applications some functionality and the interface for operating with Identity Governance and Intelligence. Identity Governance and Intelligence client components send the queries to these REST APIs.

ExternalAuthorization API
> Accepts or refuses the received request.

External Auth API
> Manages the request related to a list of permissions or roles that can be added, removed, or renewed according to the request type.

External SoD API
> Checks if the entitlement to be added or removed, presents SoD risks.

Virtual appliance REST APIs

You can develop custom applications by using the REST application programming interfaces (APIs) that come with IBM Security Identity Governance and Intelligence virtual appliance. The REST APIs are available so that you can administer the tasks outside of the virtual appliance user interface. The topic provides information about the functions that REST APIs support.

The REST APIs are segregated into a set of functional components of the virtual appliance that are listed as follows.

Analysis and Diagnostics Monitoring
> View the information about analysis and diagnostic tools such as SNMP monitoring, storage, CPU usage, memory statistics, event logs, and appliance status.

System Settings Management
> View the information about export or import settings, network settings, system settings, maintenance, and other aspects.

Configuration Management
> View the server-setting configuration information about custom files, certificates, mail server, and external entities configuration information about directory server and database server.

Dashboard
> View the information about quick links, interfaces, middleware and server monitoring, notifications, partition information, and disk usage.

Download REST APIs

The REST APIs for IBM Security Identity Governance and Intelligence virtual appliance are packaged in a compressed file. Use the REST APIs for your requirements.

Complete these steps.
1. Click http://www.ibm.com/support/docview.wss?uid=swg27046896.
2. Download the RAPI_DOCS.zip file to a folder on your local computer.
3. Extract the RAPI_DOCS.zip file.
4. Open the index.html file to view the REST API documentation.

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