






REST API

Overview of the REST API and its use cases as well as details about the available functions

The ISMS and GRC software ibi systems iris offers a comprehensive REST API that can be used to exchange standardized data with third-party. The interface is implemented according to OAS (Open-API Specification) 3.0. The REST API can support the implementation of a holistic ISMS in a wide range of use cases and can be easily integrated into the existing architectural landscape.

 Standardized interface

 Flexible integrable

 Downward compatible

Use Cases of the REST API

For example, the REST API can:

- import the master data of the assets from a central CMDB and return the protection requirements recorded in ibi systems iris to the CMDB,
- connect process management systems to import business processes for business impact analysis,
- import indicators from a SIEM tool to monitor information security risks over time,
- connect whistleblower portals to anonymously record and follow up on hints from employees,
- automatically create assessments for application security checks and schedule their time of execution.

Assessments

- Create a new assessment
- Create a new external assessment
- Add an assessment template to an existing assessment
- Add an assessment block template to an existing assessment
- Add an assessor, reviewer or closer to an assessment or an assessment block and update the scheduling
- Retrieve the control result and its status
- Update the control result and its status

Assets

- Create a new asset
- Retrieve the details of an asset
- Update the details of an asset
- Update the protection requirements of an asset
- Retrieve the protection requirements of an asset
- Retrieve the inherited protection requirements of an asset
- Retrieve the mappings to assets and processes
- Create, delete or update an upstream or downstream mapping to an asset
- Create, delete or update a mapping to a process

Documents

- Create a new document
- Create a new file for a document

Findings

- Create a new finding
- Create a new mapping between two findings
- Create a new mapping between a finding and a measure
- Update the details for a finding
- Retrieve details for a finding
- Retrieve the mapped measures
- Retrieve the mapped findings
- Delete a mapping between a finding and a measure
- Delete a mapping between two findings

Incidents

- Create a new incident

- Create a new mapping between an incident and a measure
- Create a new mapping between an incident and a finding
- Create a new mapping between an incident and a risk
- Update the details for an incident
- Retrieve details for an incident
- Retrieve the mapped measures
- Retrieve the mapped findings
- Retrieve the mapped risks
- Delete a mapping between an incident and a measure
- Delete a mapping between an incident and a finding
- Delete a mapping between an incident and a risk

Indicators

- Create a new measurement recording for an indicator

Measures

- Create a new measure
- Create a new measure derived from a finding
- Create a new measure derived from a chapter
- Add a new measure implementer
- Create a new mapping between two measures
- Update the details for a measure
- Update the effectivity of a mapped measure
- Update the data of a measure implementation
- Update the information about a measure recipient
- Retrieve details for a measure
- Retrieve the mapped measures of a measure
- Retrieve information about measure implementers
- Retrieve data of a measure implementation
- Delete a mapping between two measures
- Delete a mapping for a measure implementer
- Map a new assessment for monitoring of a measure
- Update a mapping to an assessment template for monitoring of a measure
- Retrieve details for the mapped assessment templates for monitoring of a measure
- Delete a mapping to an assessment template for monitoring of a measure
- Map a new control template for monitoring of a measure
- Update a mapping to a control template for monitoring of a measure
- Retrieve details for the mapped control templates for monitoring of a measure
- Delete a mapping to a control template for monitoring of a measure
- Map a new indicator for monitoring of a measure

- Retrieve the mapped indicators for monitoring of a measure
- Delete a mapping to an indicator for monitoring of a measure

Person register

- Create a new person or company
- Retrieve the details of a person or company
- Find a person or company

Processes

- Create a new process
- Retrieve the details of a process
- Update the details of a process
- Update the protection requirements of a process
- Retrieve the protection requirements of a process
- Retrieve the inherited protection requirements of a process

Requests

- Create a new request
- Retrieve the details of a request
- Update the details of a request
- Grant a request
- Decline a request

Risks

- Create a new risk
- Create a new mapping between two risks
- Create a new mapping between a risk and a measure
- Create a new mapping between a risk and a finding
- Create a new risk derived from a finding
- Create a new risk derived from a chapter
- Create a new risk analysis
- Update the details for a risk
- Update the effectivity of a mapped measure
- Retrieve details for a risk
- Retrieve the mapped measures
- Retrieve the mapped findings
- Retrieve the mapped risks
- Delete a mapping between a risk and a measure
- Delete a mapping between a risk and a finding
- Delete a mapping between two risks

- Create a new mapping between a risk analysis and a measure
- Update the details for a risk analysis
- Update the details for a risk treatment
- Retrieve details for a risk analysis
- Retrieve details for a risk treatment
- Retrieve the mapped measures for a risk analysis
- Delete a risk analysis
- Delete a mapping between a risk analysis and a measure
- Map a new assessment template for monitoring of a risk
- Map a new control template for monitoring of a risk
- Map a new indicator for monitoring of a risk
- Update a mapping to an assessment template for monitoring a risk
- Update a mapping to a control template for monitoring a risk
- Retrieve details for the mapped assessment templates for monitoring a risk
- Retrieve details for the mapped control templates for monitoring a risk
- Retrieve the mapped indicators for monitoring a risk
- Delete a mapping to an assessment template for monitoring a risk
- Delete a mapping to a control template for monitoring a risk
- Delete a mapping to an indicator for monitoring a risk

User management

- Create a new application user
- Retrieve details for an application user
- Update the details for an application user
- Retrieve all user roles
- Retrieve all organization units