

Documentation Generator for IdentityIQ

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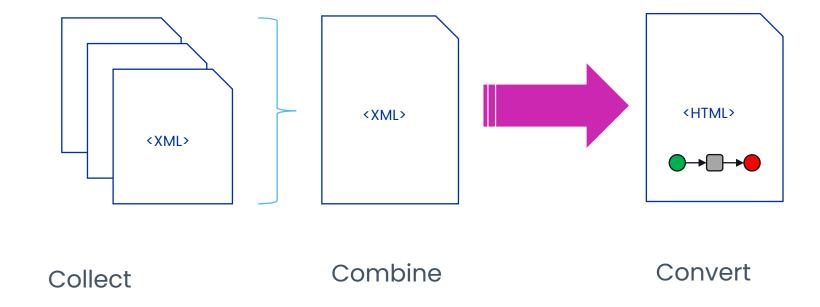
Documentation

- Isn't exactly everyone's biggest hobby
- Takes time
- Needs maintenance
- Is very important!

What Is It?



• A tool set to turn configuration into documentation



Features



- Create HTML document using XML-based configuration
- Document many IdentityIQ object types
 - Configurable: enable/disable types and change detail level
- Table of Contents
- Clickable links between related objects
- Generated, embedded SVG Images
 - Workflows: click on step for documentation
- Extensible

Objects Supported



- Application
- AuditConfig
- Bundle
- Configuration
- EmailTemplate
- Filter
- Form
- GroupFactory
- IdentitySelector

- IntegrationConfig
- LifeCycleEvent
- ManagedAttribute
- ObjectConfig
- PasswordPolicy
- Policy
- Population
- ProvisioningPlan
- QuickLink

- Rule
- CertificationDefinition
- TaskDefinition
- TaskSchedule
- Workflow
- Workgroup (Identity)





- 1. System Configuration
- 2. Object Configuration ▶
- Applications ▼
 - 1. Application Statistics
 - 2. Contractors
 - 3. Employees
 - 4. SAP HR
- Roles ►
- Workgroups ▶
- Populations ▶
- Group Factories ▶
- 8. Certifications
- Policies ▶
- 10. Business Processes ▶
- 11. Rules ▶
- 12. Email Templates
- 13. Forms ▶

3.3. Application - Employees

Name	Employees
Туре	DelimitedFile
Connector	sailpoint.connector.DelimitedFileConnector
Owner	The Administrator
Remediators	
Proxy Application	
Profile Class	
Description	
Authoritative Application	Yes
Case Insensitive	
Native Change Detection	

3.3.1. Extended Attributes

Category	Name	Value
Account Management	Business Application Name	
Account Management	Personal Privileged Account Prefix	
Account Management	Service Account Identity Prefix	
Approval Configuration	Approval Workflow	
Approval Configuration	Approval Group	
Manual Work Items	Manual Work Item Owner	
Leaver Configuration	Leaver Termination Operation	
Password Management	Allow Password Change Request	false

Examples - Applications



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ı		account
ı	File Location	/Artifacts/data/AuthEmployees.csv
ı	3.3.3. Rules	

Aggregation Rules		
Correlation Rule		
Creation Rule	Creation Rule - Set Password	
Manager Correlation Rule		
Customization Rule		
Managed Entitlement Customization Rule		
Provisioning Rules		
Before Provisioning Rule		
After Provisioning Rule		
Connector Rules		
Build Map Rule		
Prelterate Rule		
Postiterate Rule		
Map to ResourceObject Rule		
MergeMaps Rule		

3.3.4. Correlation

3.3.4.1. Manager Correlation

ı	Manager Identity Attribute	Account Attribute
ı	empld	managerld





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- 8. Certifications
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- 10. Business Processes ▶
- 11. Rules ▶
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- 13. Forms ▶

8. Certifications

8.1. Account Group Permissions Certification [DATE] [3/13/19 4:47 PM]

8.1.1. Basic

8.1.1.1. Certification Properties

ı	Certification Type	AccountGroupPermissions
ı	Certification Name	Account Group Permissions Certification [3/13/19 4:47 PM]
ı	Certification Owner	The Administrator

8.1.1.2. What to Certify

Applications	• 389DS
Certify By Object Type	• 389DS: group

8.1.1.3. When to Certify

Schedule	at 16:52 at 13 day at March month
Next execution	2029-03-13 16:52

8.1.1.4. Certification Contents



Examples - Workflows



- 1. System Configuration
- 2. Object Configuration ▶
- 3. Applications
- 4. Roles ▶
- Workgroups ▶
- Populations ▶
- Group Factories ▶
- 8. Certifications
- 9. Policies
- 10. Business Processes ▼
 - 1. Alert Disable Account
 - 2. Approve and Provision Subprocess
 - 3. Batch Request Wrapper
 - 4. Check Status of queued items
 - 5. Do Manual Actions
 - 6. Do Provisioning Forms
 - 7. Entitlement Update
 - 8. Generic Step Library
 - 9. Identity Correlation
 - 10. IdentityProvisioningStepLibrary
 - 11. Identity Refresh
 - 12. Identity Request Approve
 - 13. Identity Request Approve Identity Changes
 - 14. Identity Request Finalize
 - 15. Identity Request Initialize
 - 16. Identity Request Notify
 - 17. Identity Request Provision
 - 18. Identity Request Violation Review

10.1. Alert - Disable Account

Туре	Alert
Template	
Disabled	
Monitored	
Libraries	
Owner	The Administrator

10.1.1. Description

Disable accounts when alert is triggered.

If the alert's targetType is Identity, this will set the Identity inactive.

If the alert's targetType is Link, this will disable the account associated to the link.



10.1.2. Variables

How Does It Work?



- Based on XSLT stylesheet
 - eXtensible Stylesheet Language Transformations
 - XSLT is a transformation framework to convert XML into something else
 - Powerful, but takes a lot of code
- Configuration based on XSLT-stylesheet
- Generates: HTML, JavaScript, CSS
- Java code for some special features
 - Date conversions
 - Number conversations, Math
- Apache XalanJ extensions used

How Does It Work?



- Requires a single XML document → One HTML page
- To get a single XML document:
 - Export as a single document from IdentityIQ Console
 - Or, use an XML merger to combine multiple documents
 - E.g. to merge all files from SSB's config folder

```
f localVarHTTPResponse.StatusCode >= 300 {
    newErr := &GenericOpenAPIError{
        body: localVarBody,
        error: localVarHTTPResponse.Status,
}
```



Demo





- Styling, Fixes
- Support for application details lots of connector types
- New IdentityIQ features
- Improvements:
 - Move from Xalan-J to Saxon
 - Parallel processing for different object types
 - Multiple pages
- Code Available





Documentation Tool

https://github.com/mennopieters-sp/identityiqdocumentation-public



XML Merger

https://github.com/menno-pieterssp/sailpoint-xml-merger







Thank you!