

# IDM Model Web Service Interface



## DEPRECATED

This interface is deprecated since midPoint 4.0. It will no longer be maintained and it will be completely removed in future versions. Please use [R ESTful interface](#) instead.

**Version:** 3.9

**Status:** Public

**Stability:** DEPRECATED

**Platform:** WSDL

**Dependencies:** [Data Model](#), Common schema, Query schema

**Responsible person:** Radovan Semancik

## Description

IDM Model Web interface provides unified access to the identity objects stored in the repository and on the resources. It abstracts away the details about where and how are the data stored, it hides all the low-level system components.

Implementation of this interface are enforcing a consistency of access control decisions and model, e.g. to enforcing Role-Based Access Control (RBAC) and other policies, making sure that the mappings are applied properly, etc.

This a web service version of the IDM Model Interface represented in WSDL. As such it has some inherent limitations but it is usable for remote access to the Model services. It also has some operations that are simplified. For a full-featured native java interface please see the [IDM Model Interface](#).

## History

Version	Date	Description	Change Author
3.9	November 2018	No changes in operations, only data model extensions.	Radovan Semancik et al.
3.8	June 2018	No changes in operations, only data model extensions.	Radovan Semancik et al.
3.7	December 2017	No changes in operations, only data model extensions. Default URL changed for stand-alone deployment.	Radovan Semancik et al.
3.6	June 2017	<code>SelectorQualifiedGetOptionsType</code> and related types were moved from <code>api-types-3</code> to <code>common-3</code> namespace.	Pavol Mederly et al.
3.5	December 2016	No changes in operations, only data model extensions.	Radovan Semancik et al.
3.4	June 2016	No changes in operations, only data model extensions.	Radovan Semancik et al.
3.3	December 2015	Refactored task statistics	Pavol Mederly
3.2	August 2015	No operation changes. Only extensions to the underlying schema.	Radovan Semancik
3.1.1	April 2015	No operation changes. Only extensions to the underlying schema.	Radovan Semancik
3.1	February 2015	Documentation enhancements, minor backward-compatible improvements.	Pavol Mederly, Radovan Semancik
3.0	June 2014	Reworked interface operation to fit the midPoint 3.0 spirit.	Pavol Mederly
1.1	January 2014	Added <code>notifyChange</code> operation	Katka Valalikova
1.0	December 2012	No technical change. Released as "version 1.0".	Radovan Semancik
0.3	September 2011	Added object types to all relevant methods, aligned with java version	Radovan Semancik
0.2	May 2011	Removed ESB dependency, now it is also Java interface generated from WSDL	Radovan Semancik
0.1 (OpenIDM)	Summer 2010	Initial version. WSDL-based ESB interface	Radovan Semancik

## Artifacts

Artifact	Version	Path	Description
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Interface definition	<b>master</b>	<a href="https://github.com/Evolveum/midpoint/blob/master/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/master/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.8</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.8/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.8/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.7.2</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.7.2/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.7.2/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.7.1</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.7.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.7.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.7</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.7/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.7/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.6</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.6/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.6/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.5</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.5/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.5/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.4</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.4/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.4/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.3</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.3/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.3/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.2</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.2/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.2/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.1.1</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.1.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.1.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.1</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.1/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>3.0</b>	<a href="https://github.com/Evolveum/midpoint/blob/v3.0/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl">https://github.com/Evolveum/midpoint/blob/v3.0/infra/schema/src/main/resources/xml/ns/public/model/model-3.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>1.1</b>	<a href="http://git.evolveum.com/view/midpoint/v2.2.1/infra/schema/src/main/resources/xml/ns/public/model/model-1.wsdl">http://git.evolveum.com/view/midpoint/v2.2.1/infra/schema/src/main/resources/xml/ns/public/model/model-1.wsdl</a>	Well-commented WSDL specification of this interface.
Interface definition	<b>1.0</b>	<a href="http://git.evolveum.com/view/midpoint/v2.2/infra/schema/src/main/resources/xml/ns/public/model/model-1.wsdl">http://git.evolveum.com/view/midpoint/v2.2/infra/schema/src/main/resources/xml/ns/public/model/model-1.wsdl</a>	Well-commented WSDL specification of this interface.

## Endpoints

Protocol	Version	Security	Address
SOAP over HTTP/HTTPS	master	WS-Security UsernameToken, digest password	<a href="http://hostname:port/ws/model-3">http://hostname:port/ws/model-3</a>
SOAP over HTTP/HTTPS	3.7	WS-Security UsernameToken, digest password	<a href="http://hostname:port/ws/model-3">http://hostname:port/ws/model-3</a> (stand-alone deployment) <a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a> (deployed to Tomcat)
SOAP over HTTP/HTTPS	3.6	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.5	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.4	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.3	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.2	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.1.1	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.1	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/ws/model-3">http://hostname:port/midpoint/ws/model-3</a>
SOAP over HTTP/HTTPS	3.0	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/model/model-3">http://hostname:port/midpoint/model/model-3</a>
SOAP over HTTP/HTTPS	1.0	WS-Security UsernameToken, digest password	<a href="http://hostname:port/midpoint/model/model-1">http://hostname:port/midpoint/model/model-1</a>

## See Also

- [IDM Model Web Service Interface Examples](#)
- [Model Web Service Client](#)
- [Model Web Service Client Sample](#)
- [A few notes on C# web service clients](#)