



NAVELINK

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Conceptual team	2020-10-07		
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Anders Wendel	Consortium Unclassified Released Public		

Navelink Industry Consortium

HOW-TO migrate from MCP to Navelink (v0.10.0)

[Navelink.org](https://navelink.org)

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v1

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HOW-TO migrate from MCP to Navelink

Main page: <http://navelink.org/>

Although your organization is registered in MCP, the **first step** is to fill in the Join form in navelink.org.

→ <https://www.navelink.org/enrolment-form/>

When You join Navelink there will be an Agreement signed between your organization and Navelink. Detailed information is found in folder Contractual documents Service Agreement. Even when joining Navelink through project affiliation there need to be an agreement signed and sent to Navelink for the vetting procedure.

Navelink is a non-profit organization which is self-sustained regarding its costs. Therefore there is a annual cost related to enrolment in Navelink. The cost for Your organization will depend on project relations and enrolment level selected.

The **Enrolment level specification** can be downloaded from navelink.org and there you can find out the best level of enrolment for Your organization. An overview is given in next page.

→ <https://www.navelink.org/mdocuments-library>

Enrolment levels in short

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Initially, the level of enrolment needs to be selected but can be changed later if needed or wanted.

Full operational enrolment

Full operational enrolment is recommended for those organizations that intend to be operational service providers, service consumer and technical service producer. The enrolment gives access to both Identity and Service Registry in all environments as well as invitations to online forum meetings and all document library.

Limited operational enrolment

Limited operational enrolment is recommended for those organizations that intend to act mainly as operational service provider and service consumer. The enrolment gives access to both Identity and Service Registry in TEST and OPERATIONAL environments as well as invitations to online forum meetings and all document library.

Minimal operational enrolment

Minimal operational enrolment is recommended for those organizations that only need identity and authentication functionality (PKI). The enrolment gives access only to Identity Registry in TEST and OPERATIONAL environment.

Service development enrolment

Service development enrolment is recommended for those organizations that intend to act only as technical service producers. The organization can act as technical service producer for full or limited operationally enrolled organizations. The enrolment gives access to both Identity and Service Registry in DEVELOPMENT and TEST environments as well as invitations to online forum meetings and document library.

Consortium member

As consortium member you are part of forming the future of the non-profit Navelink as a Governance Board member. The enrolment gives access to both Identity and Service Registry in all environments as well as invitations to online forum meetings, all document libraries, and all support and service approvals is included.

Other enrolment

If you have lead in a larger project representing several organizations or you represent a larger organization with need to register a larger amount of identities (such as ships), enrollment can be applied as "Other enrolment" where negotiations will be conducted in order to define your needs.

Enrolment guidelines

See User Guide

<https://www.navelink.org/mdocuments-library>

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Your organization's right to use the Infrastructure provided by Navelink is subject to submitting accurate information in this form, Navelink's acceptance of your request to join followed by endorsement of a service agreement.

The enrolment form shall be renewed every twelve (12) months in order to sustain access to the Infrastructure.

If you have any questions or problems please contact our Frontdesk, by e-mail to info@navelink.org or by phone to +46 10 21 70 299.

Form of participation:

Enrolment level: *


Project based affiliation:

- BeltSafe
- EfficientFlow
- Real Time Ferries


No. of identities for development environment: *

No. of identities for test environment: *

No. of identities for operational environment: *

Get started for Developers

Main page: <http://navelink.org>

Three environments are available for you, depending on level of enrolment.

- **NAVELINK OPERATIONAL (OPS)**
To be used only for fully operational actors and instances.
Portal: <https://management.navelink.org>
- **NAVELINK TEST & VERIFICATION (TEST)**
To be used for test of services, certificates and identities before release in OPERATIONAL
Portal: <https://management.test.navelink.org>
- **NAVELINK DEVELOPMENT (DEV)**
To be used for development of services before release in TEST. Service instance registration is (will be) only visible within own organization.
Portal: <https://management.dev.navelink.org>

Differences between MCP and Navelink

Navelink is a new MCP instance so technically it's interoperable with previous MCP instances, but there are some new configurations made in Navelink.

- Domain name and links to environments are new for Navelink (navelink.org)
 - URL to search for service instances are changed
- SSL Certificates for Navelink servers are new and need to be trusted
 - Let's Encrypt SSL certificate on Navelink servers.
- Root certificate in Identity Registry are new for Navelink instances.
 - Each issued certificate for identity will have the new Navelink self-signed certificate in its trust chain
- MRN identities are changed from urn:mrn:stm to urn:mrn:mcl
 - Identity on VIS Technical Design is (same on all Navelink environments)
 - *urn:mrn:mcl:service:design:navelink:vis:rest:2.2*

Migrating from MCP to Navelink

Here comes some proposed steps to migrate a service from MCP to Navelink.

- Register the service instance in Navelink environment
 - Logon to MCP and Download XML for Service Instance
 - **Change *id* on service instance to correct MRN for Navelink**
 - MCP: urn:mrn:stm:service:instance:sma:prs
 - Navelink: urn:mrn:**mcl**:service:instance:sma:prs
 - **Change *id* for *implementsServiceDesign***
 - MCP: urn:mrn:stm:service:design:sma:vis-rest-2.2
 - Navelink: urn:mrn:**mcl**:service:design:**navelink**:vis:**rest:2.2**
 - Logon to Navelink and select VIS Technical Design
 - *Create new instance*
 - Upload XML
 - Upload Document
 - *Issue Certificate*

URLs to Navelink DEV environment

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Navelink DEV (corresponds to MCP TEST)

Web Portal

<https://management.dev.navelink.org/>

Identity Registry API using certificates

<https://api-x509.dev.navelink.org/x509/api/>

Identity Registry API using OpenID Connect

<https://api.dev.navelink.org/oidc/api/>

Identity Registry API doc. for certificates

<https://api-x509.dev.navelink.org/v2/api-docs>

Identity Registry API doc. for OpenID connect

<https://api.dev.navelink.org/v2/api-docs>

Service Registry API

<https://serviceregistry.dev.navelink.org/api/>

Service Registry API documentation

<https://serviceregistry.dev.navelink.org/v2/api-docs>

Public Root Certificate

PEM format for Linux/Curl

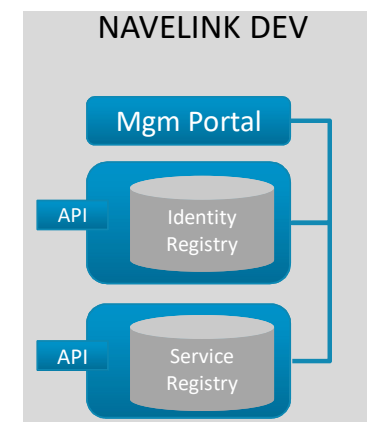
<https://api.dev.navelink.org/trust-chain.pem>

Java Keystore format (password is "changeit")

<https://api.dev.navelink.org/trust-chain.jks>

Zip-file with .cer filer for easy import in Windows Certificate Store

<https://api.dev.navelink.org/trust-chain.zip>



URLs to Navelink TEST environment

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TEST & VERIFICATION (corresponds to MCP STAGING)

Web Portal

<https://management.test.navelink.org/>

Identity Registry API using certificates

<https://api-x509.test.navelink.org/x509/api/>

Identity Registry API using OpenID Connect

<https://api.test.navelink.org/oidc/api/>

Identity Registry API doc. for certificates

<https://api-x509.test.navelink.org/v2/api-docs>

Identity Registry API doc. for OpenID connect

<https://api.test.navelink.org/v2/api-docs>

Service Registry API

<https://serviceregistry.test.navelink.org/api/>

Service Registry API documentation

<https://serviceregistry.test.navelink.org/v2/api-docs>

Public Root Certificate

PEM format for Linux/Curl

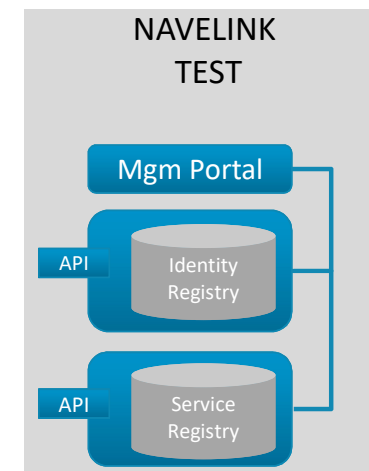
<https://api.test.navelink.org/trust-chain.pem>

Java Keystore format (password is "changeit")

<https://api.test.navelink.org/trust-chain.jks>

Zip-file with .cer filer for easy import in Windows Certificate Store

<https://api.test.navelink.org/trust-chain.zip>



URLs to Navelink OPERATIONAL (OPS) environment

OPERATIONAL (corresponds to MCP PRODUCTION)

Web Portal

<https://management.navelink.org/>

Identity Registry API using certificates

<https://api-x509.navelink.org/x509/api/>

Identity Registry API using OpenID Connect

<https://api.navelink.org/oidc/api/>

Identity Registry API doc. for certificates

<https://api-x509.navelink.org/v2/api-docs>

Identity Registry API doc. for OpenID connect

<https://api.navelink.org/v2/api-docs>

Service Registry API

<https://serviceregistry.navelink.org/api/>

Service Registry API documentation

<https://serviceregistry.navelink.org/v2/api-docs>

Public Root Certificate

PEM format for Linux/Curl

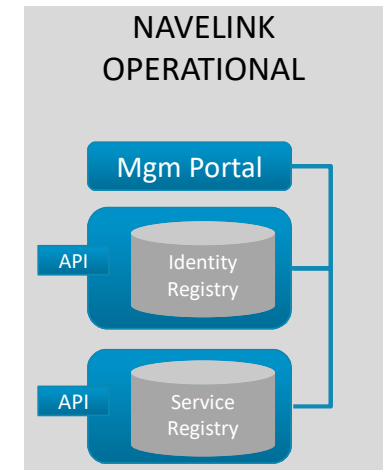
<https://api.navelink.org/trust-chain.pem>

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Zip-file with .cer filer for easy import in Windows Certificate Store

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navelink.org

info@navelink.org