NOMASX-1
User Guide

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Installing NOMASX-1 on Linux

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TIP

```
PODMAN is fastest way to install NOMASX-1. Even if it is possible to install each component separately, using podman is better be
```

1. Requirements

- RAM : 8Go
- DISK : 60 Go
- CPU : 2vCPU

The server should have an access to internet to download all images and applications sources from Github and Oracle Registry Container.

Podman works rootless, you can create a user to start all containers with a specific user and without using root

```
groupadd nomasx1
useradd -g nomasx1 nomasx1
```

Check if SELINUX is enabled and change mode to permissive

```
sestatus

SELinux status:                 enabled
SELinuxfs mount:                /sys/fs/selinux
SELinux root directory:         /etc/selinux
Loaded policy name:             targeted
**********************
** CHECK MODE **
Current mode:                   enforcing
Mode from config file:          enforcing
**********************
Policy MLS status:              enabled
Policy deny_unknown status:     allowed
Memory protection checking:     actual (secure)
Max kernel policy version:      31
```

Set secure Linux to permissive by editing the “/etc/selinux/config” file, making sure the SELINUX flag is set as follows.

```
SELINUX=permissive
```

Once the change is complete, restart the server or run the following command.

```
setenforce Permissive
```

Disable firewall

```
systemctl stop firewalld
systemctl disable firewalld
systemctl status firewalld
```

2. Install Podman

```
dnf -y install podman podman-docker buildah skopeo dnf-utils zip unzip tar gzip git
dnf -y update
```

Add the user created previously to be able to start container rootless

```
touch /etc/subuid /etc/subgid
usermod --add-subuids 100000-165535 --add-subgids 100000-165535 nomasx1
podman system migrate
```

3. Enable service and check status

```
systemctl enable --now podman.socket
systemctl status podman.socket
```

4. Download components

The Repository is private because this application is under licence. Ask for credentials to download

```
git clone https://github.com/fblettner/nomasx1-containers.git
Enter login and password

cd nomasx1-containers/data
./getdata.sh (this will download and unzip the preconfigured Oracle Database)

Give rights for user inside the container
podman unshare chown -R 54321:54321 data/oradata
```

5. Start all containers

Login to OCI to be able to start all containers (this is a one time only task)

```
podman login https://lhr.ocir.io
Enter login and password
```

Start the containers

```
podman play kube nomasx1w.yaml --configmap .nomasx1.yaml,.rundeck.yaml
```

Global Settings

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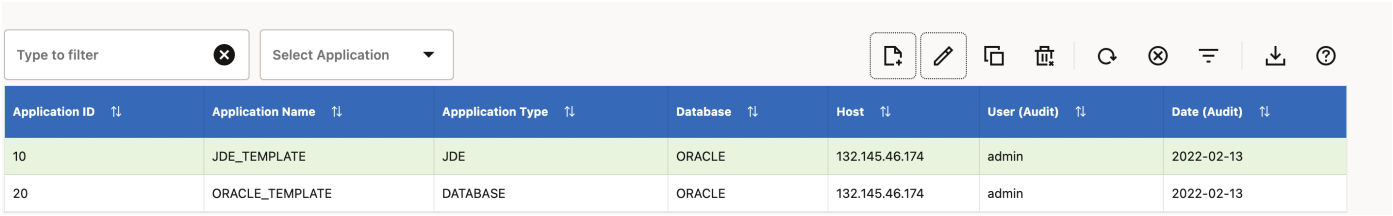
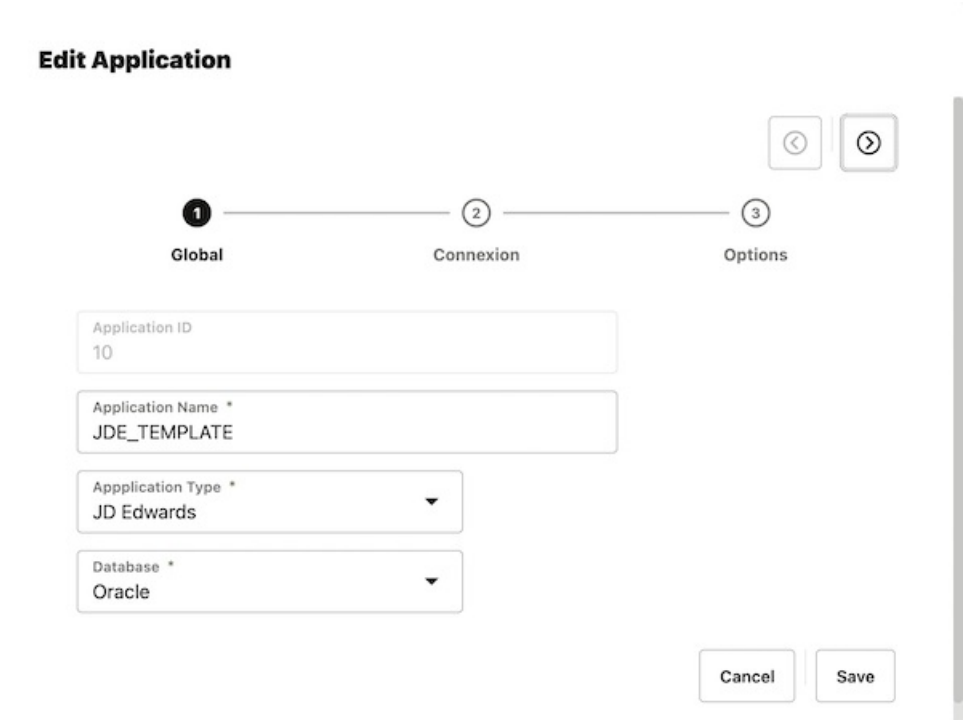
1. Applications

- Native connector for JD Edwards (Oracle, DB2 or MS-SQL)
- Native connector for Oracle Database
- Native connector for Microsoft Active Directory
- All databases accessibles with jdbc can be set



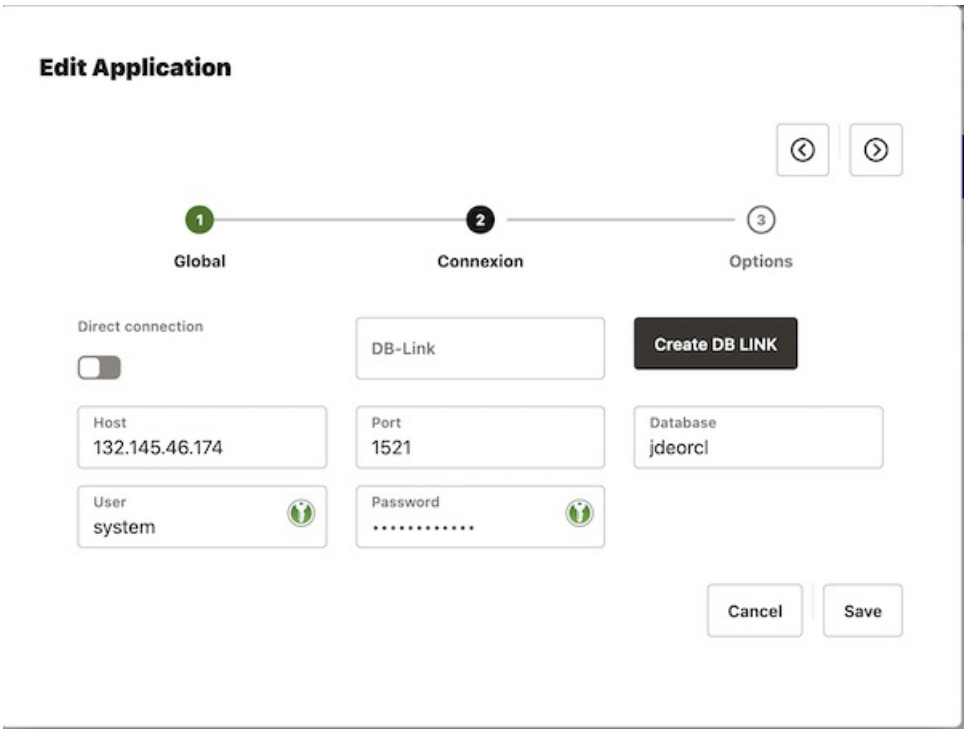
Click on add or edit to set a new datasource or modify an existing datasource and follow the wizard

1.1. Global Settings



Parameter	Description	Comments
Application ID	Unique ID	Automatic increment number used in all table joins
Application Name	Name of your application	
Application Type	Native or custom connector	JD Edwards, Database, LDAP, Weblogic, Custom Application
Database	Type of database	Oracle, MySQL, IBM DB2, Microsoft SQL Server, LDAP

1.2. Connections



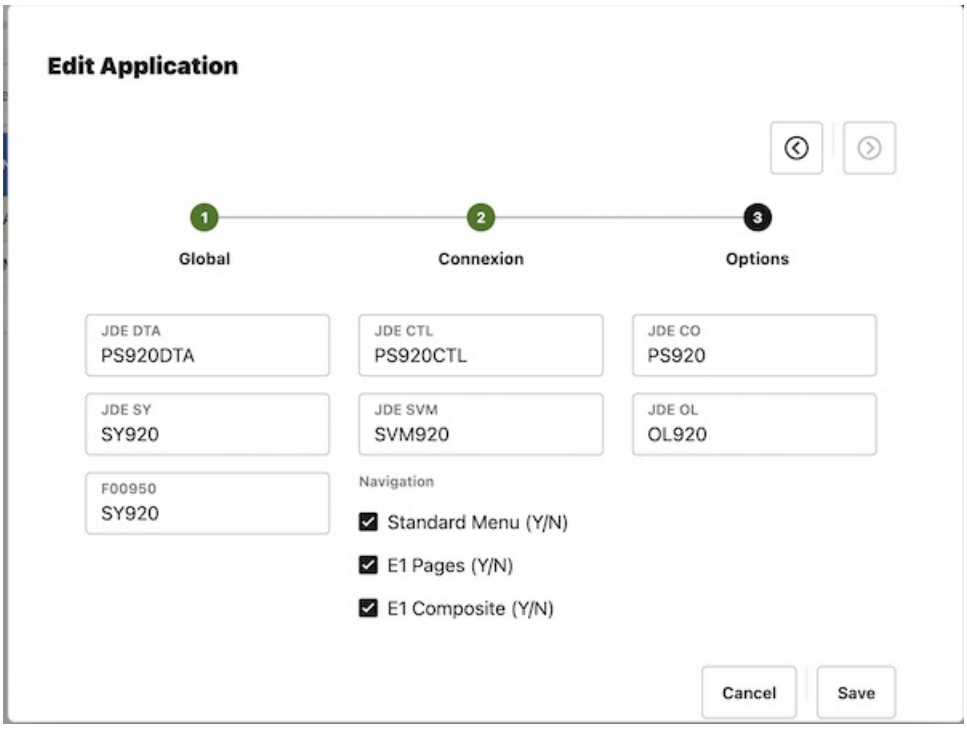
Some parameters could be hidden depending on the type of the application

Parameter	Description	Comments
Host	Database server	
Port	Database port	
Database	Service Name	Service Name and not SID for Oracle later than 12.2
User	Login to database	login could have read-only rights but with access to dictionary or catalog
Password	Password for the user	

1.3. Options

Parameters differs depending on the type of the application

1.3.1. JD Edwards



Parameter	Description	Comments
JDE DTA	Business Data	PRODDTA
JDE CTL	Control Tables	PRODCTL
JDE CO	Central Objects	PD920
JDE SY	System Tables	SY920
JDE SVM	Server Map	SVM920
JDE OL	Object Librarian	OL920
F00950	Security table location (sometimes not in SYSTEM)	SY920
Standard Menu (Y/N)	Collect Tasks Menus	
E1 Pages (Y/N)	Collect E1 Pages	Before Tools Release 9.2 and E1 composite
E1 Composite (Y/N)	Collect E1 Composite Pages	After Tools Release 9.2

1.3.2. Database / Custom Application

NONE

1.3.3. LDAP

Parameter	Description	Comments
LDAP Context	Search	OU=Utilisateurs,DC=nomana-it,DC=fr
LDAP Filter	Filtering type of object	(&(objectClass=user))
LDAP Exclude	Exclude node	OU=Applications,OU=Utilisateurs,DC=nomana-it,DC=fr

2. Users

3. Query

4. DWH