

Open Data Node v1.1.1

Draft

Scope

Bug fixes in UnifiedViews, new UnifiedViews Plugins,

Time frame

10 Jul 2015 - 31 Jul 2015

Details

Main Features and bug fixes:

- Model of users and organizations in ODN components changed
- Improved integration of UnifiedViews and CKAN using new DPUs
- New UnifiedViews plugins installed, existing were improved
- Fixes in synchronization of data from Internal to Public catalog

Main fixed bugs in ODN v1.1.1 listed in [Open Data Node github](#)

Release Note

Open Data Node v1.1.1 was released 31 Jul 2015 . It consist of following versions of components:

- [UnifiedViews Core v2.1.2](#)
- [UnifiedViews Plugins v2.1.1](#)
 - compatible with [ODN/UV Plugin-DevEnv v2.1.1](#) (backward compatible with [ODN/UV Plugin-DevEnv v2.X](#))
- [ODN-UV-PLUGINS v1.1.0](#)
- [ODN-SOLR v1.0.0 \(SOLR 4.10.2\)](#)
- [ODN-CKAN v1.1.0 \(CKAN v2.3.0\)](#)
 - using extension [ODN-PIPELINE v1.1.0](#)
 - using extension [ODN-IC2PC-SYNC v1.1.0](#)
 - using extension [ODN-CAS v1.1.0](#)
 - using extension [ODN-DATASTORE-API v1.0.0](#)
- [ODN-MIDPOINT v3.4](#)
- [ODN-CAS v1.0.3](#)
- [ODN-BOX v1.1.0](#)
 - using extension [ODN-THEME v1.1.0](#)

Debian packages are available at: <https://packages.comsode.eu/debian/>

Installation manual for ODN using Debian package (odn-simple): https://github.com/OpenDataNode/odn-box/blob/ODN_v1.1.1/readme.md

List of issues included in the release is available: <https://github.com/OpenDataNode/open-data-node/milestones/ODN%20v1.1.1>

Installation manual

Upgrade from ODN prior to 1.0.0 is not correctly supported due to change of CKAN version and also infrastructure changes.

Upgrade from ODN v1.0.X is supported but it is strongly recommended to backup databases.

Supported distribution is **Debian Wheezy** (7.x).

To install (or upgrade to newer version of ODN) packages from COMSODE Debian repository, please follow these steps:

1. Configure Debian as follows:

1. if **FQDN** is defined, the host has to be visible from external network, (e.g. if FQDN is odn.example.com then the host must be visible both through http and https via http://odn.example.com and https://odn.example.com)
2. if **FQDN** is not defined, the host has to be visible from external network, (e.g. if hostname is example then the host must be visible both through http and https via http://example and https://example)

How to set FQDN

```
# get ip address of host
IP_ADDRESS=`/sbin/ifconfig eth0 | grep 'inet addr:' | cut -d: -
f2 | awk '{ print $1}'`
# set FQDN - where host is accessible via my-computer.my-domain.
ext
echo "$IP_ADDRESS my-computer.my-domain.ext my-computer " >>
/etc/hosts
# verify
hostname -A
```

2. Add ODN packages repository into apt-sources-list:

```
echo "deb http://packages.comsode.eu/debian/ wheezy main" > /etc/apt -
/sources.list.d/odn.list
```

3. Add ODN public key:

```
wget -O - http://packages.comsode.eu/key/odn.gpg.key | apt-key add -
```

4. Update apt sources:

```
aptitude update
```

5. Use either option a for new installation of ODN or option b for upgrade to newer version of ODN:

1. install ODN box:

```
aptitude install odn-simple
```

2. upgrade ODN box:

```
aptitude upgrade
```

The following user input is required during the installation process (in case of ODN upgrade, previously provided values are used = no user input is required):

- ldap password: whatever password can be used
- Virtuoso password: dba

In case of ODN upgrade, user is required to confirm replacement of configuration files from previous installation

- it should be confirmed by pressing *y* each time user input is required

```
If you want to reduce packages that are not necessary, then call  
aptitude install --without-recommends odn-simple
```

URLs of components

After successful installation the following URLs are assigned:

- ODN/PublicCatalog
 - <http://<hostname>/>
 - <https://<hostname>/>
- ODN/InternalCatalog: <https://<hostname>/internalcatalog>
- ODN/UnifiedViews: <https://<hostname>/unifiedviews>
- ODN/midPoint: <https://<hostname>/midpoint/login>
- ODN/cas: <https://<hostname>/cas>

Only public catalog is accessible also via http protocol, other services are accessible only via https due to the fact that there is transfer sensitive information.

Default users

After successful installation the following users are created (can be used immediately): TODO correction needed

Component	Username	Password	Role in component	ODN role	Note
ODN	casadmin	Passw0rd			user used in other components, logged in via ODN/CAS
ODN/midpoint	<i>see ODN</i>	<i>see ODN</i>		ODN user	login to idm through cas
ODN/midpoint	administrator	5ecr3t		Administrator	login to idm without cas or ldap - via https://host/midpoint/login
ODN/PublicCatalog	admin	admin	CKAN sysadmin		
ODN/InternalCatalog	<i>see ODN</i>	<i>see ODN</i>	CKAN editor, Data Publisher		
Unified Views	<i>see ODN</i>	<i>see ODN</i>	Administrator, User		

Host	uploader	uploader	Publisher		<p>upload dumps to /var /www/dump - DPU: uv-l-filesUpload can upload dumps. Dumps are accessible via https://host/dump /dump.zip</p> <p>upload graphs to /var /cache/virtuoso/upload - DPU: uv-l-filesToVirtuoso can upload graphs from the path to virtuoso</p>
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casadmin is used as standard user to work with OpenDataNode. Further users can be created in midpoint.

You are strongly advised to change passwords right after installation.

Known issues

N/A

Troubleshooting

Java 7 support

tomcat 7 uses by default java 6 so it is necessary to change default java for tomcat. Edit /etc/default/tomcat7, update environment variable JAVA_HOME.

```
JAVA_HOME=/usr/lib/jvm/java-7-openjdk-amd64
```

Python dependency update (in case of ODN upgrade no Python dependency update is needed)

In case of fresh clean Debian Wheezy installation the steps described above should work, no other commands are required. However in some cases some python dependency problems has been detected (when the Debian environment was created as a result of virtualization).

In such cases the following steps are required to resolve the dependency problems:

```
apt-get purge python\*
```

```
apt-get install python2.7-minimal -V
apt-get install libapache2-mod-wsgi -V
apt-get install lsb-release -V
apt-get install python-pkg-resources -V
apt-get install python-pip -V
apt-get install python-setuptools -V
```

```
aptitude install odn-simple -V
```

