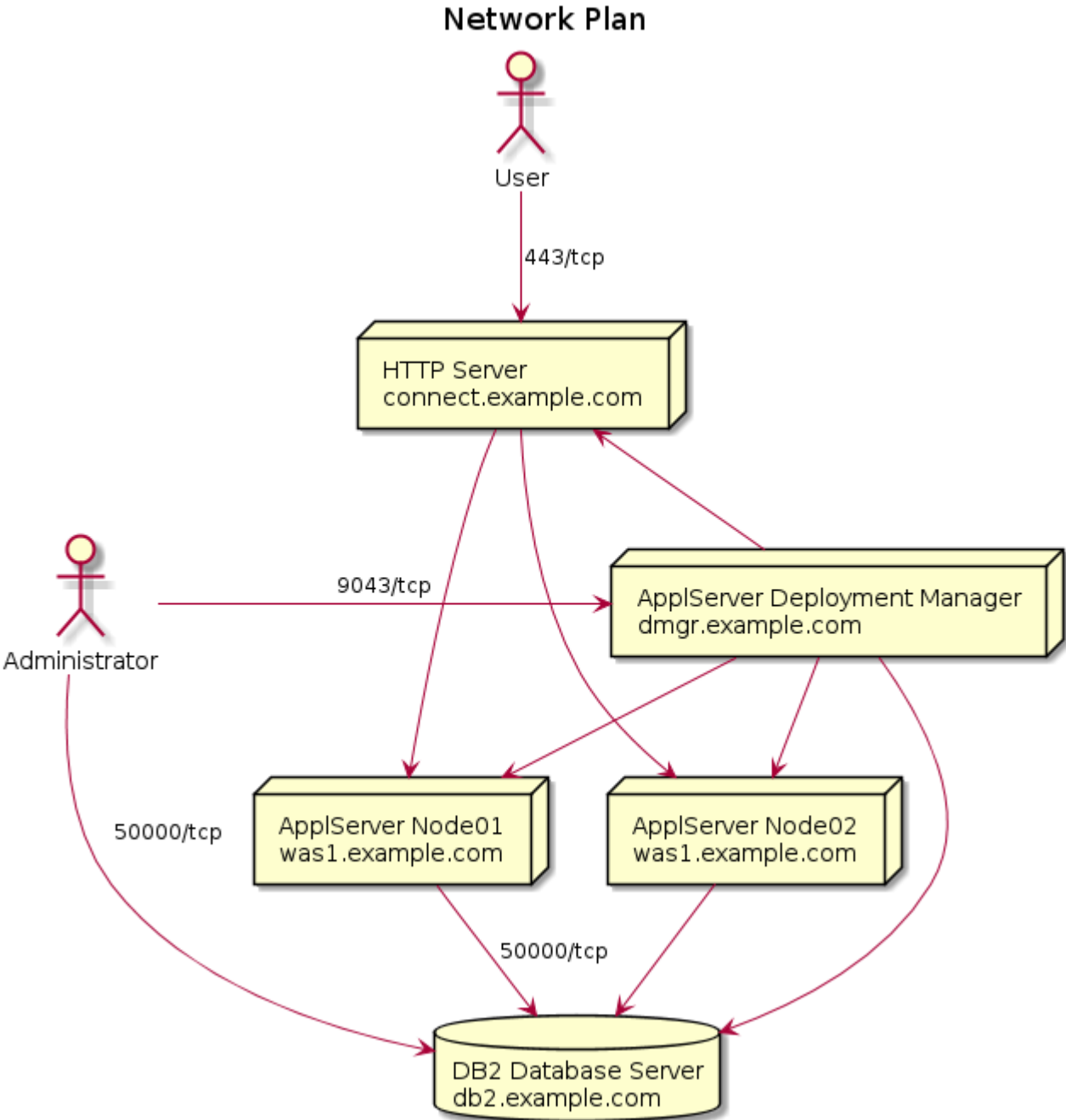


Example Project Documentation

Technical documentation of Application Server update project. See main infrastructure information and some tips on services and scheduler.

1. Networkplan



2. Conditions testing

2.1. Software Updates

Hello Froscon. Here we check the **VERSION** from our variables doc. When we update the main document, it can happen that we adjust the version numbers, then new generated documents show this warning.



Update needed!

3. Infrastructure and Software

Used operating system on all servers is Windows Server 2016 Datacenter Edition.

3.1. Cool Project 6.0 - new enviroment

Hostname	IP	Function
grpkiwi01.example.org	10.2.105.47	ApplServer, Webserver, Cool Project
grpkiwidb01.example.org	10.2.105.48	DB, TDI, Shared Directory

3.2. Installed Applications

3.2.1. Application Server

- Application Server Network Deployment 8.5.5 + Fixpack 13
 - `D:\ABC\AppISrv\ApplicationServer`

-
- Application Server Supplement 8.5.5 + Fixpack 13
 - Application Server Customization Toolbox 8.5.5 + Fixpack 13
 - D:\ABC\App1Srv\Toolbox
 - Java SDK 8.0.5.6
 - Application Server Plugins 8.5.5 + Fixpack 13
 - D:\ABC\App1Srv\Plugins

3.2.2. Webserver

- ABC HTTP Server 8.5.5 + Fixpack 13
 - D:\ABC\HTTPServer

3.2.3. Database Server

- DB 1333.1 FP3 ESE
 - D:\ABC\SQLLIB
 - Databases: D:\ABC\NODE000

3.2.4. Directory Synchronisation

- Directory Synchronisation 7.1.1 FP8
 - D:\ABC\DS\7.1.1
- Working Dir
 - D:\ABC\DS\workspace

3.2.5. Cool Project Docs Viewer

- Cool Project Docs 2.0 CR3 IF002
 - `D:\ABC\CoolProjectDocs`

Voraussetzung

- Python 2.7.15 64 Bit
 - `D:\ABC\Python27`

4. User and Passwords

User	Passwort	Funktion
dbadmin	SecurePassword123	DB Administrator
user	SecurePassword123	DB Benutzer Cool Project
ldapadmin	SecurePassword123	Cool Project Admin, LDAP User
CN=ldap,OU=Gruppen,DC=example,DC=loc	ldap	LDAP Bind User
webadmin	SecurePassword123	Webserver Config

4.1. Service User

Services and cronjobs (Scheduler) run as `example\ldapadmin`. Exception is database backup, which is running as `dbadmin`.

Service	User
ABC HTTP Server	<code>example\ldapadmin</code>

Service	User
ABC HTTP Admin	example\ldapadmin
ABC Application Server - CellManager	example\ldapadmin
ABC Application Server - CnxNode01	example\ldapadmin

5. Backup



Both servers need to be backed up on a daily basis! Each day at 9:00pm there are dumps written to `d:\backup\`, include this into your snapshots or file backup!

6. Server Restart

After Update installation always start the database server `grpkiwidb01.example.org` first! The application server will not start without the databases.

7. Appendix

7.1. Customizing

7.1.1. Layout and CSS

customization\themes\Theme\custom.css

```
/*
 * Add the replacement Logo to
 * customizationDir/javascript/com/ibm/lconn/core/styles/images/logo.png
 *
customizationDir/javascript/com/ibm/oneui3/styles/imageLibrary/Branding/Logos/i
bmLogoOpaque16.png
*/

body, html {
    height:100%;
    background-color:#fff;
}
.lotusui30 .lotusBanner .lotusLogo .lotusAltText {
display: none;
}

.lotusui30 .lotusBanner .lotusIBMLogo {
background-image: url("/com.ibm.lconn.core.styles/images/kiwi.png");
background-position: 0px 0px;
height: 20px;
width: 59px;
}

.lotusui30_body .lotusFrame {
    background-color: #fff !important;
}
.lotusui30_layout .lotusColLeft {
    background: #fff !important;
}
}
```

customization\themes\Theme\applications\blogs.css

```
.lotusui30 .lotusTable h4 {
    margin: 0;
    padding: 0;
    font-size: 1.3em !important;
}

.lotusui30 .lotusTable td.lotusFirstCell, .lotusui30 .lotusTable
th.lotusFirstCell {
    padding-left: 10px;
    padding-bottom: 20px;
    border-top: 2px solid #4178be;
}
```

7.2. Configuration

7.2.1. Windows Server 2016



During installation **Windows Defender** slowed down the whole process. That's normal, because it likes to scan all ***.jar** files. So we deactivated it during the installation process.

Deactivate IPv6

All network cards have disabled IPv6, except Loopback! We used <https://support.microsoft.com/de-de/help/929852/guidance-for-configuring-ipv6-in-windows-for-advanced-users>, so if you need to activate again, use the script!



Activating IPv6 need extended tests, the product does not officially support it!

7.2.2. Application Server

Java Heap Size

Server (JVM)	initialHeapSize (in MB)	maximumHeapSize (in MB)
CellManager01 - dmgr	384	1024
Node01 - UtilCluster_server1	2560	2560
Node01 - Tools_server1	512	1024
Node01 - InfraCluster_server1	2560	2560
Node01 - AppsCluster_server1	2560	1024
Node01 - Conversion_server1	2506	2506
Node01 - nodeagent	512	768
Node01 - Viewer_server1	2506	2506
Node01 - PushCluster_server1	2560	2560

Security

Authentication

Authentication is configured to AD. Primary LDAP is [w8d1746.example.org](#) and failover [dc05.example.org](#).

7.3. Skripts

7.3.1. Remove user from Community



the script uses hardcoded filename for mail address list.

removeUsers.py

```
import os
import sys

myfile = open('D:/install/mailaddresses.csv', 'r')

memberlist = []
execfile("communitiesAdmin.py")

for line in myfile.readlines():
    memberlist = [line]
    try:
        CommunitiesService.removeMembersFromCommunityByEmail('example-aktuell',
memberlist)
        print memberlist[0]
    except:
        print 'Error removing ' + memberlist[0]
```

Following command removes the users:

```
cd D:\ABC\AppServer\AppServer\profiles\Dmgr01\bin
wsadmin.bat -lang jython -username ldapadmin -password <password>

execfile("removeUsers.py")
```

addUsers.py

```
import os
import sys

myfile = open('D:/install/mailaddresses.csv', 'r')

memberlist = []
execfile("communitiesAdmin.py")

for line in myfile.readlines():
    memberlist = [line]
    try:
        CommunitiesService.addMembersToCommunityByEmail('example-aktuell', 0,
memberlist)
        print memberlist[0]
    except:
        print 'Error removing ' + memberlist[0]
```