ZENworks Mobile Workspace

Installation Guide - Console

TABLE OF CONTENTS

1   OVERVIEW

This user guide provides instructions on the installation of ZENworks Mobile Workspace. To facilitate a smooth installation, it is recommended that you first test to ensure that your VM and infrastructure are ready.

2   INSTALLATION

To start the setup, browse to the location of the installation archive on your computer. Extract its content to a new folder.

```
mkdir -p 3.14; cd 3.14; tar xf ../ zmw_314_linux.tar.gz
```

Figure 1: Extract installation files

To run properly, installation script must be started in privileged mode (as root).

```
sudo ./install.sh
```

Figure 2: Run as root

2.1   Language selection

Start by selecting your language and click **OK**.

```
Please select your language below, type:
    0 for eng
    1 for fra
language [0]:
```

Figure 3: Language selection

2.2   Welcome

A welcome screen will be displayed

```
Welcome to the installation of ZENworks Mobile Workspace 3.14.0!
 - Micro Focus <support@microfocus.com>
The homepage is at: http://www.microfocus.com/
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 4: Welcome screen

After each screen, type '1' and press 'Enter' to go to the next screen.

2.3   Set installation path

Here you select where you want to install the ZENworks Mobile Workspace server. By default, the setup program suggests */opt/zmw* as the target path. You can accept it by pressing 'Enter' or type the path of your choice and press 'Enter' to validate.

```
Select ZENworks Mobile Workspace installation path [/opt/zenworksmo-
bileworkspace]
press 1 to continue, 2 to quit, 3 to redisplay
```

Figure 5: Installation path selection

After selecting the installation path, some required data will be generated.

```
Shared key generated
Database password generated
```

Figure 6: keys generation

2.4   Synchronization settings

Enter the settings for one of the following infrastructure configurations:

- ZENworks Mobile Workspace with a Microsoft Exchange Server
- ZENworks Mobile Workspace with an IBM Lotus Domino Server
- Office 365 Cloud Server (workaround)

```
--- ZMW SYNC settings ---
LDAP URL []: ldap://ad.exemple.com
LDAP base []: dc=exemple,dc=com
Domain name alias [] *: exemple.com
Username for LDAP queries:
Password for LDAP queries:
Connection succeed: 67 groups found !
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 7: Sync server configuration for Exchange

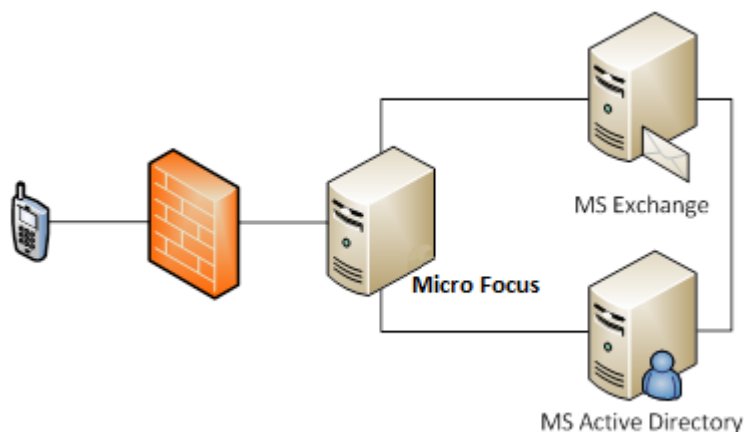**ZENworks Mobile Workspace with a Microsoft Exchange Server**

Figure 8: Infrastructure with MS Exchange server

ZENworks Mobile Workspace, **when used with your own Exchange server**, will synchronize groups and users from your Active Directory. You will need to enter the following information to accommodate that:

- **LDAP hostname (*e.g. ldap://ldap.microfocus.local*):** The internal URL of your Active Directory.
- **LDAP base (*e.g. dc=microfocus,dc=local*):** The base of your Active Directory.
- **Domain name alias (*e.g. microfocus*):** The ZENworks Mobile Workspace domain that end users may use to login into the workspace. With the domain "Microfocus," end users will be allowed to login with *username* or *username@microfocus*.
- **LDAP Query User:** A query user with read rights (Any LDAP account can work as Query user).
- **LDAP Query Password:** The password of the above query user.

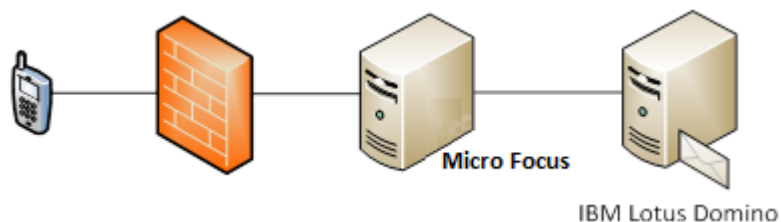**ZENworks Mobile Workspace with an IBM Lotus Domino Server**

Figure 9: Infrastructure with IBM Lotus Domino server

ZENworks Mobile Workspace, **when used with your own Lotus Domino server**, will synchronize groups and users from the LDAP server within your Domino environment. You will need to enter the following information to accommodate that:

- **LDAP hostname (*e.g. ldap://ldap.microfocus.local*):** The internal URL of your Lotus Domino server
- **LDAP base:** Leave blank.
- **Domain name alias (*e.g. microfocus*):** The ZENworks Mobile Workspace domain that end users may use to login into the workspace. With the domain "domino" end users will be allowed to login with *username* or *username@domino*.
- **LDAP Query User:** A query user with read rights (Any mail account can work as Query user).
- **LDAP Query Password:** The password of the above query user.

2.5   SSL certificate import

Here you must enter the location and password of your server certificate key pairs (PKCS12 format).

```
--- ZENworks Mobile Workspace TLS settings ---
Select the certificate to import [/path/to/certificate.p12]:
/root/downloads/exemple.p12
Private key's password: exemple
Import successful!
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 10: Certificate key pair import

2.6   Set application download path

This URL allows you to select external address (or IP) that will be used to download ZENworks Mobile Workspace. This address should be in the format that you want displayed on the Internet.
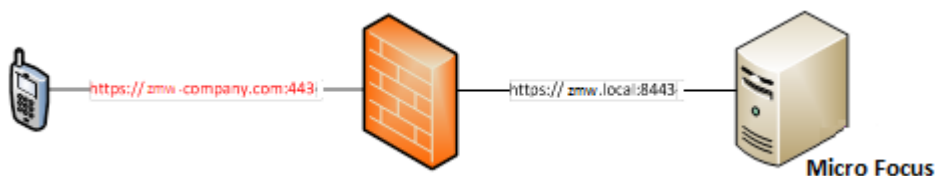

Figure 11: Simple infrastructure with Firewall NAT

If you are not using a trusted SSL certificate, please enter the URL that has been given by Micro Focus. This URL should follow the scheme https://poc.microfocus.com/company**. This redirection will be used only for download. No sensitive information will go through the Micro Focus server.**
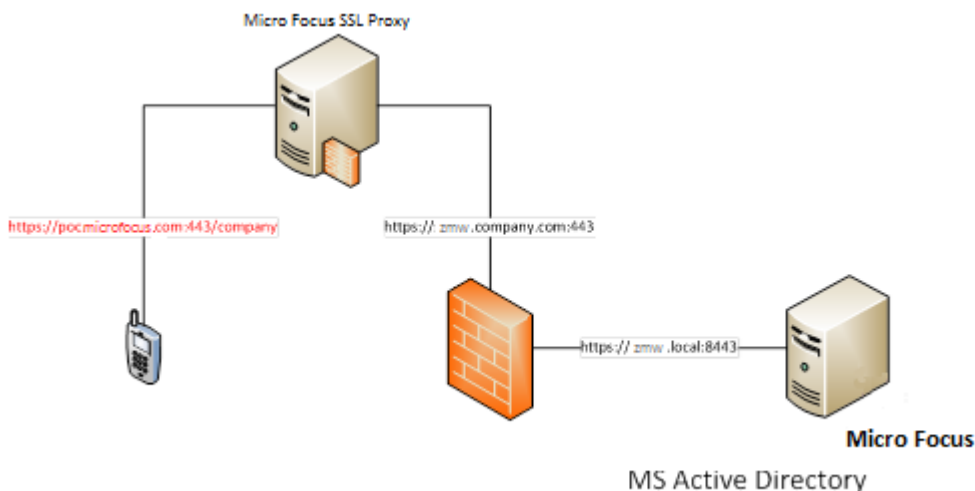
Figure 12: Infrastructure with the MicroFocus reverse-proxy

```
ZENworks Mobile Workspace URL
URL: [https://host:port]
https://zmw.example.com
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 13: ZENworks Mobile Workspace Download URL

2.7   Mail server settings

Enter the settings that match your mail server:

- **Server type (*e.g. Exchange, Office365 or Domino*):** Select the type of the mail server you have according to the synchronization parameter you used at step 4.6. If you select office365 use SSL, bypass SSL, and hostname options will be automatically filled in.
- **Hostname (*e.g. exchange.company.com*):** The hostname or ip address of your mail server.
- **Use SSL:** Select it if your Exchange server needs to be connected with a SSL connection. For Domino, please follow instruction here: https://microfocus.zendesk.com/hc/en-us/articles/200702452-Enable-SSL-connection-between-ZENworks Mobile Workspace-and-IBM-Domino.
- **Bypass SSL:** Bypass SSL must use in case of your mail server do not use a SSL certificate signed by a trusted CA or use self-signed certificate.
- **Username and password for test:** You are not required to enter username or password, as they are here to be used for your convenience to test entered information.

2.8

```
--- ZENworks Mobile Workspace Mail settings ---
Options are:
- type 1 for Microsoft Exchange
- type 2 for Lotus Domino
- type 3 for Microsoft Office 365
- type 4 for Micro Focus GroupWise
Select mail server type [1]:
Please enter hostname: exchange.exemple.com
Connect using TLS ? [1]:
Always trust TLS connection [0]:
Do you want to test this settings? [0]: 1
Enter test username:
Enter test password:
Connection succeed! 197 folders has been found.
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 14: Mail server settings

MS Active Directory

Figure 15: Infrastructure with CMIS server (synchronized with Active Directory)

This screen allows setting of the CMIS connector details:

- Full URL is location of the CMIS connector information
- Bypass SSL is used when connector requires SSL connection, but there are some issues with certificates.
- Optionally, you can test your connection settings.

```
--- ZENworks Mobile Workspace Document Server settings ---
Document Server type [CMIS]:
Full URL: http://localhost:8081/fileshare/atom
Always trust TLS connection [0]:
Do you want to test connection? [0]:
press 1 to continue, 2 to quit, 3 to redisplay
1
```

Figure 16: Document server settings

2.9   Installer processes

Wait through the Pack installation progress

```
[ Starting to unpack ]
[ Processing package: resources (1/2) ]
[ Processing package: install (2/2) ]
[ Unpacking finished ]
```

Figure 17: Unpacking

Wait through installer jobs processing

```
[ Starting processing ]
Starting process Install Java Runtime Environment (1/11)
Preparing the Java Runtime Environment...
Starting process Create derby unix service (2/11)
Created symlink from /etc/systemd/system/multi-user.tar-
get.wants/derby.service to /usr/lib/systemd/system/derby.service.
Starting process Create tomcat unix service (3/11)
Created symlink from /etc/systemd/system/multi-user.tar-
get.wants/tomcat.service to /usr/lib/systemd/system/tomcat.service.
Starting process Install server apps (4/11)
Cleaning deployment folder and Installing server apps


. . .


Starting process Install DESK server apps (5/11)


. . .


Starting process Move common libraries (6/11)
Moving SDK and logging libraries
-- Moving /opt/zenworksmobileworkspace/apps-deploy/zenworksmobile-
workspace-analytics-server-web-war/WEB-INF/lib/jcl-over-slf4j-
1.7.21.jar to /opt/zenworksmobileworkspace/lib/...


. . .


Starting process Start derby unix service (7/11)
Starting SENSE-DB
Waiting 10 seconds for Derby to start...


. . .


Starting process Create databases (8/11)
ij version 10.11


. . .


Starting process Create Workspace console database (9/11)
ij version 10.11


. . .


Starting process Start server (10/11)
Starting ZENworks Mobile Workspace-SERVER
Waiting 60 seconds for Tomcat to start...


. . .


Starting process Move the version file (11/11)
```

Figure 18: Installer jobs processing

2.10 Installation completed

The setup has been completed.

```
[ Console installation done ]
Be sure to properly configure your firewall in order to allow inbound
connections to your server.
Security Server Administration Console is available at http://local-
host:8080/zenworksmobileworkspace/secserver/
```

Figure 19: End of installation

3 FIRST SERVER START

Once the installation completes, the ZENworks Mobile Workspace server services (*derby* and *tomcat*) are automatically started and are configured to start at boot time. Then check if your server is correctly running by using the following command: *curl http://localhost:8080/sense/secserver/login.html*

The result should look like this.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html lang="en_US" xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>ZENworks Mobile Workspace Security Server</title>
    <link class="component" href="/sense/secserver/a4j/s/3_3_1.GAorg/richfaces/ren-
derkit/html/css/basic_classes.xcss/DATB/eAELXT5DOhSIAQ!sA18_.html" rel="stylesheet"
type="text/css" />
    <link class="component" href="/sense/secserver/a4j/s/3_3_1.GAorg/richfaces/ren-
derkit/html/css/extended_classes.xcss/DATB/eAELXT5DOhSIAQ!sA18_.html" media="rich-ex-
tended-skinning" rel="stylesheet" type="text/css" />
    <link class="component" href="/sense/sec-
server/a4j/s/3_3_1.GAcss/page.xcss/DATB/eAELXT5DOhSIAQ!sA18_.html" rel="stylesheet"
type="text/css" />
    <script type="text/javascript">window.RICH_FACES_EXTENDED_SKIN-
NING_ON=true;</script><script src="/sense/secserver/a4j/g/3_3_1.GAorg/richfaces/ren-
derkit/html/scripts/skinning.js.html" type="text/javascript"></script>
    <style type="text/css">.rich-page{margin:auto 10px;width:auto;}
        .rich-page-body{float:none;width:auto;}
    </style>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <link rel="stylesheet" type="text/css" href="/sense/secserver/css/sense-web.css" />
</head>
<body>
    <div class="rich-page " id="j_id0">
        <div class="rich-page-header logo" id="j_id0:hd"><div class="rich-page-header-
content" id="j_id0:hdc"><!-- Git commit 927d61574c7b2f82828a881d1a9030651777933c, built
on '2017-03-17 10:46:06' -->
            <h1><img src="/sense/secserver/images/logoHome.png" height="70" /></h1>
        </div></div>
        <div class="rich-page-content " id="j_id0:cnt"><div class="rich-page-main"><div
class="rich-page-body "><div id="loginpage"><div style=""><div
style="float:left;width:97.02%;*width:92.17%;"><div class="loginform">
            <form id="loginForm" action="/sense/secserver/j_spring_security_check"
method="post" onkeypress="if (event.keyCode == 13) {this.submit(); return false;}; re-
turn true;"><fieldset>
                <p>
                    <label class="credentials">Please, enter your credentials:</label>
                </p><br /><br /><br /><br />
```

```
            <p>
                <label class="left">User name</label>
                <input class="field" type="text" name="j_username" />
            </p>
            <p>
                <label class="left">Password</label>
                <input class="field" type="password" name="j_password" />
            </p>
            <input class="button" type="submit" value="Login" />
        </fieldset></form>
    </div></div><div style="display: block; height: 0; clear: both; visibility:
hidden;">.</div></div></div></div></div></div>
        <div class="rich-page-footer footer" id="j_id0:ft"><div class="rich-page-foo-
ter-content" id="j_id0:ftc">
            <table>
                <tr>
                    <td><p>Copyright &copy; 2017 Micro Focus. All Rights Re-
served.</p></td>
                    <td style="width: 100%;"></td>
                    <td><p>ZENworks Mobile Workspace Security Server 3.14.0</p></td>
                </tr>
            </table>
        </div></div>
    </div><!-- MYFACES JAVASCRIPT -->
</body>
</html>
```

Figure 20: URL result

If your server is reachable from another computer using a Web browser, the Security Server Administration Console should appears like on the picture above.
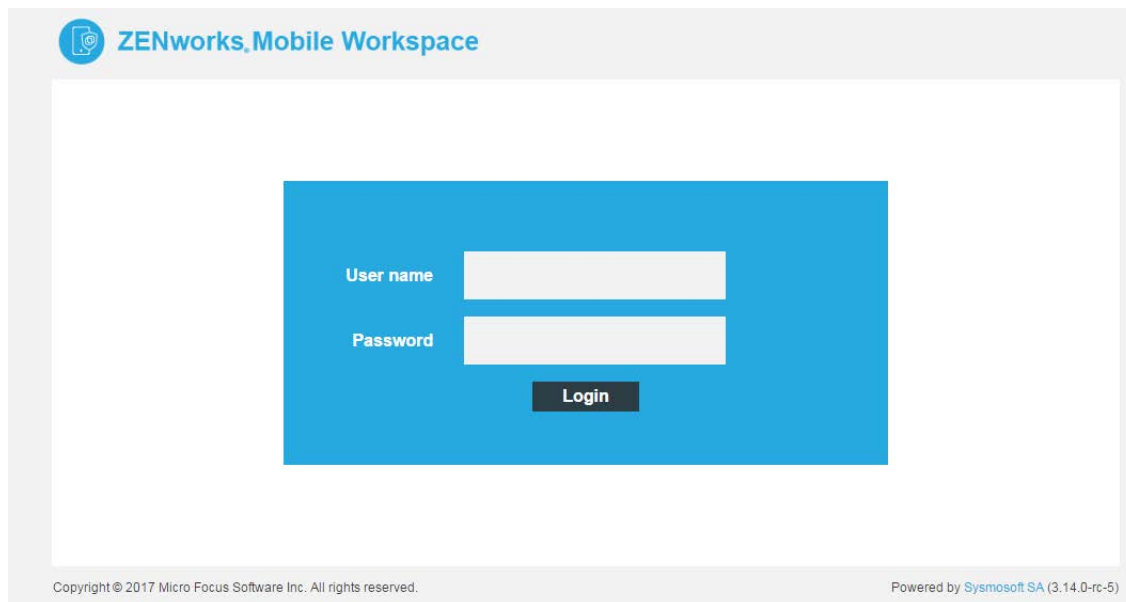

Figure 21: Security Server Console

Well done, your ZENworks Mobile Workspace server has been successfully started!