

## How to Alter MobiLink Parameters in SUP Sybase Unwired Platform (2.x)

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## PURPOSE

This technical document explains how to alter or change the command line parameters of MobiLink within SUP.

## REQUIRED SOFTWARE

1. SUP 2.x.x or higher
2. Text Editor

## ASSUMPTION

This document assumes you have a working SUP environment  
You need to add `-v` parameter to MobiLink command line  
You need `_log_all=9`, to the http(s) protocol

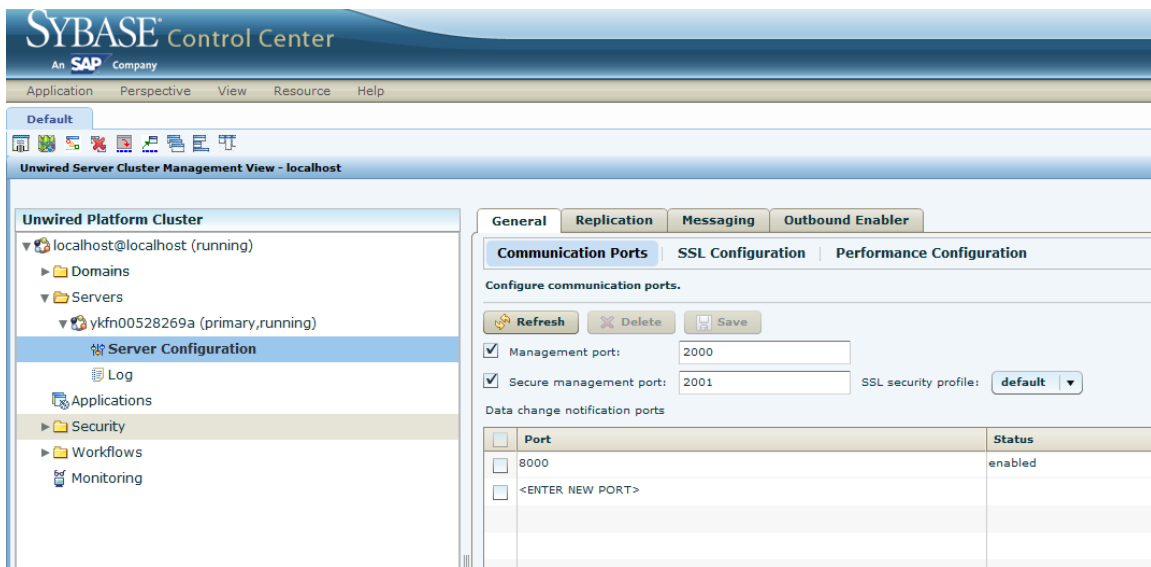
## ISSUE – 1 – ADDING `-V+`:

- a. **User needs to add a verbosity parameter to MobiLink server in SUP.**

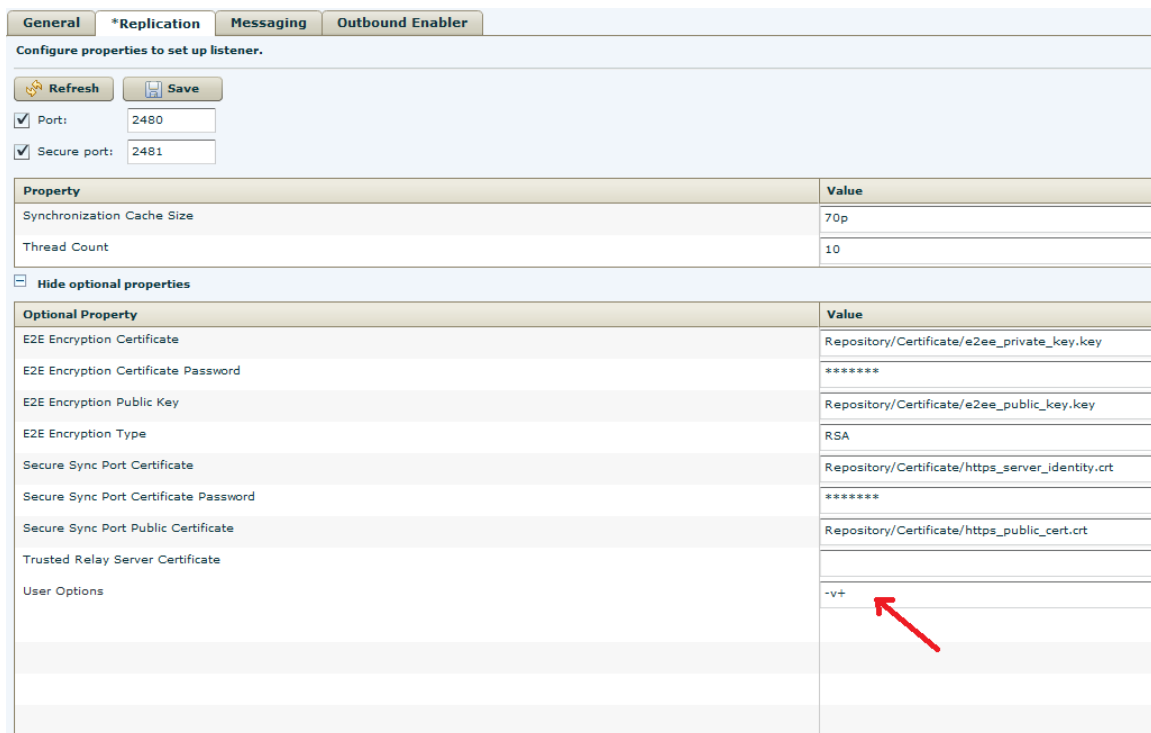
## Solution

In order to add any parameter excluding the protocol parameters, you need to have access to Sybase Control Center.

1. Open Internet Explorer
2. Login ( default user ID ): supAdmin
3. Password ( default password ): s3pAdmin (default)
4. You should see the following screen below
5. Expand the server list
6. Expand the server name
7. Click on Server configuration. You should see this



8. Click on Replication tab
9. Where it says “User Options”, enter the parameter you want. In our example we want to add verbosity to the MobiLink server.
10. Type -v+ as shown below:



11. Once you are done, click on Save on the top
12. You will be asked to reboot your server
13. Use the Desktop SUP shortcut to stop the server and run it again
14. To verify if the parameter was taking by the server, navigate to this folder  
C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin
15. Open this file in a text editor mlsrv.ext.ini
16. See if your parameter is listed like the figure shown below

```

1
2      -oq
3      -zf
4      -w 10
5      -cm 70p
6      -zs "ykfn00528269a"
7      -notifier
8      -q
9      -o "C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\..\logs\mlsrv_err.log"
10     -os 20m
11     -cr 7
12     -v+
13     -sl
14     java (-jrepath "C:\Sybase\UnwiredPlatform\JDK1.6.0_31-x64\jre" -cp "C:\Sybase\UnwiredPlatform\Servers\UnwiredServe:
15     -lsc http(host=YKFN00528269A;port=2480)
16

```

17. That confirms that our changes have been applied

**ISSUE – 2 – ADDING \_LOG\_ALL=9:**

User needs to add `_log_all=9` to the MobiLink `http(s)` protocol

**Solution**

In order to do that, you need to have access to the sup configuration file.

1. Open Windows Explorer
2. Navigate to this folder location: `C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\config`
3. Make a backup copy of the `configure-sup.xml` before you alter it or touch it
4. Open this file in a Text editor **configure-sup.xml**
5. Look for this line **mlserver.xoptions.http**
6. Look for the following tag
 

```
<property name="mlserver.xoptions" value="-x
http(port=${sup.sync.port};collect_network_data=1${e2ee.options})" />
```
7. Add `_log_all=9` to the `http` protocol before the port parameter as shown below:
 

```
-x
http(_log_all=9;port=${sup.sync.port};collect_network_data=1${e2ee.options})
```
8. The final property tag should look like this
 

```
<property name="mlserver.xoptions" value="-x
http(_log_all=9;port=${sup.sync.port};collect_network_data=1${e2ee.options})" />
```
9. Repeat the same steps for the following tag **mlserver.xoptions.https**
10. You should have this
 

```
<property name="mlserver.xoptions"
value="-x
https(_log_all=9;port=${sup.sync.httpsport};collect_network_data=1;identity=${
{djc.home}/${sup.sync.certificate};identity_password=${decrypted.sup.sync.cer
tificate_password}${e2ee.options})" />
```
11. Repeat the same process for the following tag **mlserver.xoptions.http2https**
12. You should have the following
 

```
<property name="mlserver.xoptions"
value="-x
http(_log_all=9;port=${sup.sync.port};collect_network_data=1${e2ee.options})
-x
```

```
https(_log_all=9;port=${sup.sync.httpsport};collect_network_data=1;identity=${
{dj.c.home}/${sup.sync.certificate};identity_password=${decrypted.sup.sync.cer
tificate_password}${e2ee.options})" />
```

13. Notice in this line there are two entries, one for http and one for https.
14. Now save the file
15. We need to create an empty file called **sup.cff** in the following folder with zero content  
**C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\private**
16. Now using the shortcut on the Desktop, stop SUP server
17. Restart SUP. If everything goes well, you generated file will be encrypted with the new log parameter for the network stream
18. In order to see the new changes, the debug parameter for the stream is created in an encrypted file, in order to see it, we have to tell SUP to a copy of the decrypted file before it encrypted and deletes the decrypted one

### ISSUE – 3 – GENERATING DECRYPTED MLSRV.INI FILE:

- a. **How to tell SUP to leave a copy of the mlsrv.ini decrypted and not deletes it after regenerating the file**

#### Solution

In order to do that, we need to open back the configure-sup.xml file in a text editor

1. Open Windows Explorer
2. Navigate to this folder location: C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\config
3. Open this file in a Text editor **configure-sup.xml**
4. Look for this line `<delete file="@{plaintext}" />`
5. Delete this tag or comment it out
6. Save the file
7. We need to create an empty file called **sup.cff** in the following folder with zero content  
**C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\private**
8. Stop SUP using the Desktop shortcut
9. Restart SUP using the Desktop shortcut
10. If everything is done correctly, you should see the following file, **mlsrv.ini.decrypted**, created  
**C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin**
11. Navigate to this folder location and open this file in a text editor and you should see the following command including our new `_log_all=9` in the protocol: -x  

```
http(_log_all=9;port=2480;collect_network_data=1;e2ee_type=RSA;e2ee_private_key=C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\../Repository/Certificate/e2ee_private_key.key;e2ee_private_key_password=sybase1) -x
https(_log_all=9;port=2481;collect_network_data=1;identity=C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\../Repository/Certificate/https_server_identity.crt;identity_password=sybase1;e2ee_type=RSA;e2ee_private_key=C:\Sybase\UnwiredPlatform\Servers\UnwiredServer\bin\../Repository/Certificate/e2ee_private_key.key;e2ee_private_key_password=sybase1)
-c "DSN=default-cdb;UID=dba;PWD=sql"
```
12. Once you are satisfied with your work and you collected the debug files that you need, reverse your work or replace the configure-sup.xml with the backup copy you took.
13. Recreate the **sup.cff** file in this location
14. Stop SUP using the Desktop shortcut
15. Start SUP using the Desktop shortcut

The reason we want to do this is we want to remove the debugging information so the performance will not degrade.

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