

ADDITIONAL SHEET

CCR# 04-0456

Rev: —

Originator: Maryellen Corbett.

Telephone: 301-925-0703

Office: COTS

Title of Change: Delivery of Customized WU-FTP for Sun supporting StorNext Migration

This patch delivery includes Customized WU-FTP for Sun supporting StorNext Migration.

The following files are provided with this delivery:

Binary file **wuftp_40957_StorNext** for Solaris.

- Checksum is 3222391269
- File size is 3707064.

This software delivery contains solutions for the following NCRs:

NCR Number	Subsystem	Sev	State	Site	Description
ECSed40957	RelB0_Dpool	3	T	PVC	Wuftp can't checksum-on-download when directory starts "fs1" (StorNext)

COTS INSTALLATION INSTRUCTIONS

The following provides the installation procedures to install the Customized WU-FTP Updates supporting the StorNext Migration on the following hosts.

Sun Installation Hosts

Site	Host Name	Subsystem	Host Function
EDC	e0dps01	DPL	Data Pool Server
GSFC	g0dps01	DPL	Data Pool Server
LaRC	l0dps01	DPL	Data Pool Server
NSIDC	n0dps01	DPL	Data Pool Server
PVC	p2dps01	DPL	Data Pool Server
VATC	t1mss06	DPL	Data Pool Server

Prerequisites

- Refer to "7.02 System Release for the EOSDIS Core System (ECS)" (document #914-TDA-286) for the specific site implementation installation recommendations.
- Installation steps below assume previous installation of Customized WU-FTD 2.6.2 has been successfully completed as identified in Customized WU-

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FTPD for Data Pool Hosts for the EOSDIS Core System (ECS) (PSR document #914-TDA-274).

- Estimated installation time: 15 mins. for a novice administrator

Installation Instructions:

1. Login as root to install the new binary.
2. Back up current in.ftpd file /usr/local/sbin/in.ftpd to a backup directory of your choice:

```
#cp /usr/local/sbin/in.ftpd </backup_directory path>/in.ftpd.old ↵
```

3. Move the new binary ""wuftp_40957_StorNext" into directory /usr/local/sbin/, renaming binary as in.ftpd:

```
# mv </staging_dir>/wuftp_40957_StorNext /usr/local/sbin/in.ftpd ↵
```

Custom Code Integration

None.

Interrogation Checkout

Interrogation for Data Pool hosts will use file size to identify the correct installation of customized WU-FTP. The *in.ftpd* binary in the directory /usr/local/sbin/ will be interrogated for the filesize 3707064 bytes.

Interrogation will use the following query:

```
/usr/ucb/ls -la /usr/local/sbin/in.ftpd | /usr/bin/awk `{print $5}`
```

The interrogation should return: 3707064

Interrogation will also verify that the /datapool/OPS/usr/tools directory exists.

Backout Instructions

Restore previous in.ftpd file saved during the installation.

Test Results:

WU-FTP TEST REPORT

NCR 40957 - V

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TEST 1 - Use the Data Pool Web Access GUI

Download just the data (.hdf) file using (gzip, Z, gz, and uncompressed). For each download, a “Checksum verification matched” message should be present.

Results - Successful

```
Mon Sep 13 17:58:08 2004 Checksum verification matched for
/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898
Mon Sep 13 17:58:08 2004 1 p0fwi09.pvc.ecs.nasa.gov 0
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898 b CT o a mozilla@example.com ftp
0 * i
Mon Sep 13 17:58:18 2004 Checksum verification matched for
/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898
Mon Sep 13 17:58:18 2004 1 p0fwi09.pvc.ecs.nasa.gov 2493
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898 b C o a mozilla@example.com ftp 0
* i
Mon Sep 13 17:58:31 2004 Checksum verification matched for
/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898
Mon Sep 13 17:58:31 2004 1 p0fwi09.pvc.ecs.nasa.gov 8143
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898 b C o a mozilla@example.com ftp 0
* i
Mon Sep 13 17:59:47 2004 Checksum verification matched for
/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898
Mon Sep 13 17:59:47 2004 1 p0fwi09.pvc.ecs.nasa.gov 0
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898 b CT o a mozilla@example.com ftp
0 * i
```

TEST 2 -

Download just an xml file using (gzip, Z, gz, and uncompressed)

```
ftp> bin
200 Type set to I.
ftp> get labtest_2014058898.xml.gzip
200 PORT command successful.
ftp> pwd
257 "/FS1/MOAT/MOD14GN.077/2010.03.01" is current directory.
ftp> get labtest_2014058898.xml.Z
200 PORT command successful.
150 Opening BINARY mode data connection for /bin/compress.
226 Transfer complete.
local: labtest_2014058898.xml.Z remote: labtest_2014058898.xml.Z
3 bytes received in 0.019 seconds (0.15 Kbytes/s)
ftp> get labtest_2014058898.xml
200 PORT command successful.
150 Opening BINARY mode data connection for labtest_2014058898.xml (0 bytes).
226 Transfer complete.
ftp> get labtest_2014058898.xml.gz
200 PORT command successful.
150 Opening BINARY mode data connection for labtest_2014058898.xml.gz (43 bytes).
226 Transfer complete.
ftp>
```

Results from p2dps01 /var/adm/xferlog - Successful

```
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml a _ o a abcde ftp 0 * c
Mon Sep 13 18:31:52 2004 labtest_2014058898.xml distributed without checkSum because no checksum in DB
```

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```
Mon Sep 13 18:31:52 2004 1 p2dps01.pvc.ecs.nasa.gov 43
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml b C o a asaaaa ftp 0 * i
Mon Sep 13 18:32:27 2004 labtest_2014058898.xml distributed without checksum because no checksum in DB
Mon Sep 13 18:32:28 2004 1 p2dps01.pvc.ecs.nasa.gov 3
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml b C o a asaaaa ftp 0 * i
Mon Sep 13 18:32:54 2004 labtest_2014058898.xml distributed without checksum because no checksum in DB
Mon Sep 13 18:32:54 2004 1 p2dps01.pvc.ecs.nasa.gov 0
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml b _ o a asaaaa ftp 0 * c
Mon Sep 13 18:33:07 2004 labtest_2014058898.xml.gz distributed without checksum because no checksum in DB
Mon Sep 13 18:33:07 2004 1 p2dps01.pvc.ecs.nasa.gov 0
/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml.gz b _ o a asaaaa ftp 0 * c
*****
```

TEST 3 –

a) Create an FtpPull Order that contains the granule from Test 2 above.

From the Web Access GUI, add the granule to the shopping cart, view the shopping cart, select the Media ad download, enter email address and order the data. (Should see page with five links to different types of downloads)

Results - Successful

Your Order ID is 0000000000000227

Your order is ready now. You may download your data in the compression format of your choice or you may navigate to the DataPool ftp site directly.

Select a download option:

No compression - goes to ftp site. You can selectively download individual files from your order here.

zip - downloads a zip file of your data.

tar - downloads a tar file of your data.

tar.gz - downloads a gz compressed tar file of your data.

tar.Z - downloads a UNIX compressed tar file of your data.

Start a new search to get more data.

b) Click the “No Compression” link and download just the data (.hdf) file, uncompressed. Verify in the /var/adm/xferlog that “Checksum verification matched for /downloads/0000000000000227/labtest_2014058898

Results - Successful

Index of ftp://p2dps01u.ecs.nasa.gov/downloads/0000000000000227/

Up to higher level directory

Directory: .tempfiles/ 09/13/04 18:55:00

File: ConverterSynopsis.txt 09/13/04 18:55:00

Directory: labtest_2014058898 09/13/04 18:55:00

Directory: labtest_2014058898.xml 09/13/04 18:55:00

/var/adm/xferlog

Mon Sep 13 19:03:25 2004 Checksum verification matched for /downloads/0000000000000227/labtest_2014058898

Mon Sep 13 19:03:25 2004 1 p0fwi09.pvc.ecs.nasa.gov 100000

/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898 b _ o a mozilla@example.com ftp 0

* c

Listing of Directory after downloading uncompressed (.hdf) file.

```
xserv02{mmolinet}/home/mmolinet:107>ll -rt labtest_20140588*
```

```
-rw----- 1 mmolinet users 2493 Sep 13 17:58 labtest_2014058898.gz
```

```
-rw----- 1 mmolinet users 8143 Sep 13 17:58 labtest_2014058898.Z
```

```
-rw----- 1 mmolinet users 0 Sep 13 17:59 labtest_2014058898.zip
```

```
-rw----- 1 mmolinet users 100000 Sep 13 19:04 labtest_2014058898
```

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Mon Sep 13 19:03:25 2004 Checksum verification matched for /downloads/000000000000227/labtest_2014058898

d). Download just the metadata file (.xml), uncompressed. . Verify in the /var/adm/xferlog that “ /downloads/000000000000227/labtest_2014058898.xml distributed without checksum because no checksum in DB

Results - Successful

Mon Sep 13 19:15:45 2004 /downloads/000000000000227/labtest_2014058898.xml distributed without checkSum because no checksum in DB

Mon Sep 13 19:15:45 2004 1 p0fwi09.pvc.ecs.nasa.gov 0

/datapool/OPS/user/FS1/MOAT/MOD14GN.077/2010.03.01/labtest_2014058898.xml b _ o a mozilla@example.com ftp 0 * c

Listing of Directory after downloading uncompressed metadata file.

e) Download a bundle that contains both the data (.hdf) and metadata (.xml) using (zip, tar, tar.gz & tar.Z). There shouldn't be any special messages relating to checksum.

Results - Successful

/var/adm/xferlog

Mon Sep 13 19:21:49 2004 1 p0fwi09.pvc.ecs.nasa.gov 3872 /datapool/OPS/user/FS1/downloads/000000000000227 b CT o a mozilla@example.com ftp 0 * i

Mon Sep 13 19:22:10 2004 1 p0fwi09.pvc.ecs.nasa.gov 102400

/datapool/OPS/user/FS1/downloads/000000000000227 b T o a mozilla@example.com ftp 0 * i

Mon Sep 13 19:22:17 2004 1 p0fwi09.pvc.ecs.nasa.gov 2746 /datapool/OPS/user/FS1/downloads/000000000000227 b CT o a mozilla@example.com ftp 0 * i

Mon Sep 13 19:22:24 2004 1 p0fwi09.pvc.ecs.nasa.gov 8460 /datapool/OPS/user/FS1/downloads/000000000000227 b CT o a mozilla@example.com ftp 0 * i

Listing of Directory after downloading uncompressed metadata file.

xserv02{mmolinet}/home/mmolinet:115>ll -rt 000*227*

-rw----- 1 mmolinet users 3872 Sep 13 19:22 000000000000227.zip

-rw----- 1 mmolinet users 102400 Sep 13 19:22 000000000000227.tar

-rw----- 1 mmolinet users 2746 Sep 13 19:22 000000000000227.tar.gz

-rw----- 1 mmolinet users 8460 Sep 13 19:22 000000000000227.tar.Z

END OF TEST