

# Program Release Notice

PRN Number

**PROJ-2006-GCSSAF-1523**

Program Title

**GCSS-AF AFP 6.0.1523 Autonomy 5.x Upgrade**

Contract Name

**GCSS-AF**

Contract Number

**F01620-96-D-0004**

Task Order 5415

Is Test Equipment affected?

Hardware: **N**Software: **N**Procedures/Specifications: **N**

## DESCRIPTION OF RELEASE:

- This is a release of Autonomy which will upgrade all components to their latest versions. This includes the main Autonomy server components as well as **HttpFetch**, **FileSystemFetch** and **OracleFetch**.
- The Autonomy server component upgrades are a major release upgrade, going from version 4.5 to 5, now known as **IDOL 5**. In this release Autonomy has renamed several components, introduced new controller components, and simplified configuration down to two files. **NORE** and **SUIR** now run as **Community.exe** and **Content.exe**, respectively. They are no longer launched manually, but spawned by the **IDOL Server**. **IDOL Server** is in turn managed by the **DiSH**. The entire Autonomy server component suite is launched by starting the **DiSH**.
- This is a mandatory release for the AF Portal production servers.

## CR/DR/WIT/SAT:

- NONE

## PREREQUISITES:

- **IDOL 5** requires a shared UNIX library called **iconv**. However, **Autonomy 4.5** also depended on this so it is presumed to be already installed in production
- Request a new license from the Autonomy Help Site at: <http://automater.autonomy.com>. Because licenses are tied to the IP of the machine that runs the DiSH, this must be done separately for each DiSH server that has a distinct IP. The license key will be sent to the shared email account which O&S team members Harry Park and Heath Spurlock can access. Other POCs on this shared email are Mark Southard (Roundarch) or Charlie Beasley (Lockheed).

## ESTIMATED OUTAGE TIME:

- At this time we believe that, once IDOL 5 is complete and running, a cut-over from Autonomy 4.5 to IDOL 5 will comprise a routine BroadVision restart after re-pointing the configs.
- Allocate a day to install IDOL Server and DiSH and confirm that they are running correctly. Allocate another day for the install of the 3 fetch programs.
- Porting user data from Autonomy 4.5 to IDOL 5 will be variable based on the speed of the Production servers and the count of user profiles being migrated. Also, this release will do a complete rebuild of the Search Index. Re-running the fetches will take anywhere from a couple minutes (FileSystemFetch), to a couple hours (Oracle Fetch) to an incremental build up of the web Crawl Index (HTTP Fetch) of 1 to 3 days.

Responsible Programmer  
Greg Sandell

Dept.

Extension

312-529-2445

Department Manager

Dept.

Extension

Date

September 18, 2006

GCSS-AF CM Approval

Date

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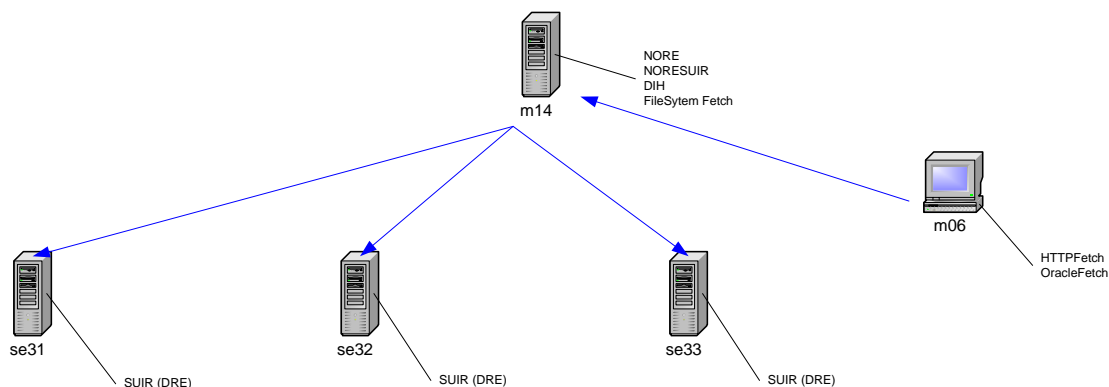
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## INSTALL/UNINSTALL PROCEDURES:

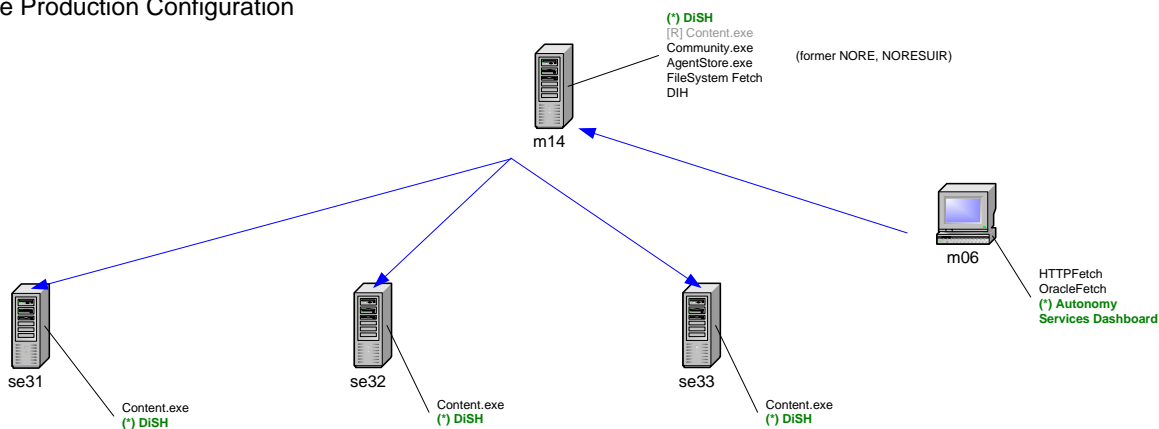
### UNIX server installations

We will refer to machines named MAIN\_IDOL, se31, se32, se33 as indicated in the topology diagram.

#### As-Is Production Configuration



#### To-Be Production Configuration



#### Legend

(\*) New active component on server

[R] Component installed, but in reserve or passive mode

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## Installation Steps

### Installation on server MAIN\_IDOL

#### *Preliminary*

1. Copy AFP6.1.019\_Autonomy\_5.x\_Upgrade.zip from the CD and unzip it. This will give you the following:
  - a. MAIN\_IDOL.tar.gz – Main **IDOL** server installation
  - b. CONTENT\_MIRROR.tar.gz – Content Server **IDOL** installation
  - c. Windows\_fetch.zip – Zip containing the httpfetch, oraclefetch and Autonomy Services Dashboard installations
  - d. AFP\_6\_1\_019\_db\_exts.tar – Containing the sql updates to stored procedures for search temp tables in AF Portal schema.
2. Backup the database using the export command (exp)

#### *Main IDOL Installation*

1. Log into *MAIN\_IDOL* server as yourself and su as **autonomy\_admin\_user**
2. cd to /opt/Autonomy
3. mkdir IDOL5
4. copy MAIN\_IDOL.tar.gz file to /opt/Autonomy/IDOL5 directory
5. gunzip and untar MAIN\_IDOL.tar.gz into IDOL5
6. untar MAIN\_IDOL.tar file

#### *AutonomyFileSystemFetch installation*

1. cd to IDOL5/AutonomyFileSystemFetch
2. Edit the file AutonomyFileSystemFetch.cfg. Lines requiring customization are:
  - a. 18, parameter DreHost: replace text reading <<INSERT THE IP FOR MAIN\_IDOL HERE>>

#### *DAH/DIH installation*

(Note: the DAH is optional. It's function may be replaced with a load balancer if desired.)

1. cd to IDOL5/DAH
2. Edit the file AutonomyDAH.cfg. Lines requiring customization are:
  - a. 2, parameter LicenseServerHost: replace text reading <<INSERT IP FOR MAIN\_IDOL HERE>>
  - b. Scroll to the [Engines] section (around line 24)
  - c. The Number parameter (around line 25) should be set to the count of CONTENT\_MIRROR servers you will be running
  - d. For each CONTENT\_MIRROR, add a line  
<<n>>=<<CONTENT\_MIRROR n+1 IP HERE>>:8000  
...where n is a zero-based incrementing count of the CONTENT\_MIRROR

*Sample with three CONTENT MIRRORS:*

```
[Engines]
Number=3
0=192.168.1.100:8000
1=192.168.1.101:8000
```

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2=198.168.1.102:8000

- e. Remove the line << CONTINUE AS NEEDED >>
3. cd to IDOL5/DIH
4. Edit the file AutonomyDIH.cfg. Lines requiring customization are:
  - a. Scroll to the [Engines] section (around line 24)
  - b. The Number parameter (around line 25) should be set to the count of CONTENT\_MIRROR servers you will be running
  - c. For each CONTENT\_MIRROR, add a line  
<<n>>=<<CONTENT\_MIRROR n+1 IP HERE>>:8000  
...where n is a zero-based incrementing count of the CONTENT\_MIRROR

*Sample with three CONTENT MIRRORS:*

```
[Engines]
Number=3
0=192.168.1.100:8000
1=192.168.1.101:8000
2=198.168.1.102:8000
```

- d. Remove the line << CONTINUE AS NEEDED >>
- e.

### *IDOL Server installation*

1. cd to IDOL5/IDOLserver/IDOL
2. Edit the file AutonomyIDOLServer.cfg. Lines requiring customization are:
  - a. 2, parameter LicenseServerHost: replace text reading <<INSERT IP FOR MAIN\_IDOL HERE>>
3. cd to IDOL5/IDOLserver/DiSH
4. Edit the file AutonomyDiSH.cfg. Lines requiring customization are:
  - a. Scroll to the [IDOLServer0] section (around line 133)
  - b. Parameter Host (around line 134): replace text reading <<INSERT IP FOR MAIN\_IDOL HERE>>
5. Copy the licensekey.dat file for this server into current directory
6. On the MAIN\_IDOL server, import the User data from the old Autonomy server as follows:
  - a. Cd to the old directory NORE/NORE/data of the old server
  - b. copy all the .db files (\*,.db) from this directory into  
IDOL5/IDOLserver/IDOL/community/users
  - c. The import of this data will be completed during the *Starting Unix Services* section

### Installation on each CONTENT\_MIRROR server

1. Log into CONTENT\_MIRROR 1 server as yourself and su as **autonomy\_admin\_user**
2. cd /opt/Autonomy
3. mkdir IDOL5
4. Copy CONTENT\_MIRROR.tar.gz file to /opt/Autonomy/IDOL5
5. gunzip CONTENT\_MIRROR.tar.gz into /opt/Autonomy/IDOL5
6. untar CONTENT\_MIRROR.tar
7. cd to IDOL5/IDOLserver/IDOL
8. Edit the file AutonomyIDOLServer.cfg. Lines requiring customization are:

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- b. 2, parameter `LicenseServerHost`: replace text reading <<INSERT IP FOR CONTENT\_MIRROR HERE>>
9. cd to `IDOL5/IDOLserver/DiSH`
10. Edit the file `AutonomyDiSH.cfg`. Lines requiring customization are:
  - a. 137, parameter `Host`: replace text reading <<INSERT IP FOR MAIN\_IDOL HERE>>
11. Copy the `licensekey.dat` file for this server into current directory

## Starting UNIX services

### On server MAIN\_IDOL

- DIH: cd to `IDOL5/DIH/scripts` and run `Start.sh`
- DAH: cd to `IDOL5/DAH/scripts` and run `StartService.sh`
- DiSH and IDOL:
  - a. cd to `IDOL5/IDOLserver/scripts`
  - b. run `./StartDiSHService`. This starts both **DiSH** and **IDOL** on the MAIN\_IDOL server.
  - c. Wait 5 min and confirm that the **DIH** has successfully established contact with all of its mirror servers (see *Monitoring Unix Services* below)
  - d. Complete the import of User data (started during the installation step above) as follows:  
Open a browser and navigate to `http://<<MAIN_IDOL>>:8000/action=index`

### On servers CONTENT\_MIRROR 1, CONTENT\_MIRROR 2, CONTENT\_MIRROR 3

- DiSH and IDOL: cd to `IDOL5/IDOLserver/scripts` and run `./StartDiSHService`. This starts both **DiSH** and **IDOL** on these servers.

### On server MAIN\_IDOL

- AutonomyFileSystemFetch:  
Before running the fetch, but after Unix IDOL services have started:
  - a. Browse to the URL `http://<<MAIN_IDOL>>:17000/action=getStatus` (if DAH is being used) or `http://<<LOAD_BALANCER>>:8000/action=getStatus` (if load balancer is being used)
    1. Refresh page again in case of caching
    2. Scroll down to <databases> node, then to the <database> *Services\_Registry*, and confirm that it shows zero documents
      - If the Registry Dump xml file has not been changed since the last fetch, run the unix utility **touch** on this file.
      - cd to `IDOL5/AutonomyFileSystemFetch` and run `./Start.sh`

## Windows installations

### HTTPFetch

1. Log into the Windows Server
2. cd `D:\Autonomy`
3. Copy the `windows_fetch.zip` to `D:\Autonomy`
4. Unzip `windows_fetch.zip`. This will give you a directory called `windows_fetch`
5. cd to `windows_fetch\AutonomyHTTPFetch`

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6. Launch `httpfetch-2[1].4.2-win32.EXE` (included in the PRN)
7. For license holder, enter *Air Force*.
8. For the installation name, change `HTTPFetch` to `AutonomyHTTPFetch`
9. For the installation folder, select the destination folder as `D:\Autonomy\AutonomyHTTPFetch`
10. Keep all three installation options checkboxes checked.
11. Click "Next" through the six following screens without making alterations. All of these values will be overwritten by the config file.
12. "Do you wish to add shortcuts to the Start Menu?" Select *No*
13. "Do you wish to start the Autonomy HTTP Fetch service now?" Select *No*
14. *Click the finish button to finish installation*
15. When the installation is complete, copy the file `AutonomyHTTPFetch.cfg` included in the `windows_fetch\AutonomyHTTPFetch` directory into the directory `D:\Autonomy\AutonomyHTTPFetch` (overwriting what is there)
16. Edit the `AutonomyHTTPFetch.cfg` file and modify the following properties:
  - a. Under `[SERVICE]` section
    - i. `SERVICECONTROLCLIENTS=<<IP of the windows server>>`
    - ii. `SERVICESTATUSCLIENTS=<<IP of the windows server>>`
  - b. Under `[DEFAULT]` section
    - i. `DREHOST=<<IP of the MAIN_IDOL server>>`
  - c. Make sure all directory paths match the installation directory
  - d. If this server connects to the internet through a proxy server, this needs to be identified in the config file and added in the `[DEFAULT]` section as below:  
`proxyhost=<<IP OF PROXY HOST>>:<<PORT (if not 80)>>`
17. Save the `AutonomyHTTPFetch.cfg` file
18. create `indexFiles` directory within `D:\Autonomy\AutonomyHTTPFetch` directory
19. Copy `Document.txt` and `DocumentBestBets.txt` from `D:\Autonomy\windows_fetch\AutonomyHTTPFetch` into this directory

## OracleFetch9i

1. Log into the same Windows Server
2. `cd` to `D:\Autonomy`
3. Rename `OracleFetch9i` directory to `OracleFetch9i_yyyymmdd`
4. `cd` `D:\Autonomy\windows_fetch\OracleFetch9i` directory
5. Launch `OracleFetch8&9_2[1].3.13_nt.EXE` (included in the PRN)
6. For license holder, enter *Air Force*.
7. For the installation name, change `OracleFetch` to `OracleFetch9i`
8. For the installation folder, select the destination folder of `D:\Autonomy\OracleFetch9i` (The old installation with this same name should be renamed in order to save it.)
9. Skip the web server screen (press Next)
10. On the Oracle database screen enter anything into the *Username* and *password* and press Next. (These values will be overwritten by the config.)
11. Click "Next" through the four following screens without making alterations. All of these values will be overwritten by the config file.
12. "Would you like to add Shortcuts to the Start Menu?" Select "No"
13. "Do you want an Autonomy Oracle Fetch service to be started up now?....." Select "No"
14. Click "Next" to install **OracleFetch9i**
15. Click "Finish" to finish installation.

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16. When the installation is complete, copy all the files from the folder called `copyTheseCfgsToOracleFetch9iFolder` to `D:\Autonomy\OracleFetch9i` (overwriting what is there). Don't copy the folder itself, just the contents of the folder.
17. `cd D:\Autonomy\OracleFetch9i` directory
18. Edit the `OracleFetch9i.cfg` file
  - a. `DREHost ==<<INSERT IP OF MAIN_IDOL SERVER HERE>>`
  - b. `ImportFieldOpParam1=<< IP of WebServer to get attachments>>`
  - c. For each of the 38 fetch jobs, update:
    - i. The Connection string for PROD database OR
    - ii. The Connection String for PCP database
  - d. Make sure all directory paths match the installation directory
19. Create `indexFiles` directory within `D:\Autonomy\OracleFetch9i` directory

## Autonomy Service Dashboard

*Note: This tool is recommended for ease of administration, but is not required.*

**Autonomy Service Dashboard** is a web application that runs under **Tomcat** (or any other compliant servlet container like Websphere or Resin). **Tomcat** is included in this PRN.

### *Install Java 1.4*

- Launch the file `j2sdk-1_4_2_07-windows-i586-p.exe` from the distribution
- The install offers a default location for Java, or you can choose one of your own liking. We will refer to this directory as `<<Java1.4>>`.
- After the installation completes, open the System control panel applet (System->Advanced->Environment Variables) and create the environment variable `JAVA_HOME` and set it to the `<<Java1.4>>` directory.

### *Install Tomcat*

- Unzip the file `jakarta-tomcat-5.0.25.zip` into a location of choice for **Tomcat**. It will create a top level directory called `jakarta-tomcat-5.0.25`. This can be renamed to any name of choice; we will refer to the directory as `<<Tomcat5>>`
- Using the System control panel applet (System->Advanced->Environment Variables), create the environment variable `CATALINA_HOME` and set it to the `<<Tomcat5>>` directory.
- Open the file `<<Tomcat5>>/conf/tomcat-users.xml` with a text editor. Change the following line (should be line 10):

```
<user username="tomcat" password="tomcat" roles="tomcat" />
```

...to this:

```
<user username="tomcat" password="tomcat" roles="tomcat,manager" />
```

### *Install the Autonomy Service Dashboard*

- Copy the file `autonomyservicedashboard.war` from the PRN into `<<Tomcat5>>/webapps`

## Broadvision Configuration

1. Login to the IM servers as yourself and then su - ***bv\_admin\_user***
2. Make sure that the *BV 1to1* is up and running to do the extensions
3. Make sure that the database is backed up using the oracle export command (exp) – if not already completed

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4. copy AFP\_6\_1\_019\_db\_exts.tar to /tmp directory
5. cd to /tmp and untar AFP\_6\_1\_019\_db\_exts.tar, this will give you the following files:
  - a. af\_attach\_event\_proc.sql
  - b. AF\_CALENDAR.sql
  - c. af\_simple\_event\_proc.sql
  - d. AFP\_TEMP\_ATTACH\_EVENT\_TABLE.sql
  - e. AFP\_TEMP\_SIMPLE\_EVENT\_TABLE.sql
  - f. calendarTablesProcs.sh
  - g. allProcedures.sql
6. Edit the file portal.cfg in the config directory, making the following changes:
  - a. Around Line 21: UAHost=<<IP of MAIN\_IDOL>>
  - b. Around Line 22: UAPort=8000
  - c. Around line 25, the parameter DREHost should be updated to:
    - i. If using DAH, the IP of the MAIN\_IDOL server; or
    - ii. If using a Load Balancer, the IP of the Load Balancer
  - d. Around line 26, the parameter DREPort should be updated to 8000

## Starting Windows services

### OracleFetch9i

- Before running the fetch, but after Unix IDOL services have started:
  - Browse to the URL [http://<<MAIN\\_IDOL>>:17000/action=getStatus](http://<<MAIN_IDOL>>:17000/action=getStatus) (if DAH is being used) or [http://<<LOAD\\_BALANCER>>:8000/action=getStatus](http://<<LOAD_BALANCER>>:8000/action=getStatus) (if load balancer is being used)
  - Refresh page again in case of caching
  - Scroll down to <databases> node, then to the <database> nodes for *AFPORTAL* and *AFPORTALPCP*, and confirm that both show zero documents
- Go to the Windows services control panel applet.
- Right-click on *OracleFetch9i*. If already running, stop it, and clean out files per the instructions below.
- Select run.
- Monitor the job (see instructions below). After documents have started to index, re-navigate to the previous url ([http://<<MAIN\\_IDOL>>:17000/action=getStatus](http://<<MAIN_IDOL>>:17000/action=getStatus) or [http://<<LOAD\\_BALANCER>>:8000/action=getStatus](http://<<LOAD_BALANCER>>:8000/action=getStatus)), refresh the page again, and confirm that documents have been added for *AFPORTAL* and *AFPORTALPCP*

### HTTPFetch

- Before running the fetch, but after Unix IDOL services have started:
  - Browse to the URL [http://<<MAIN\\_IDOL>>:17000/action=getStatus](http://<<MAIN_IDOL>>:17000/action=getStatus) (if DAH is being used) or [http://<<LOAD\\_BALANCER>>:8000/action=getStatus](http://<<LOAD_BALANCER>>:8000/action=getStatus) (if load balancer is being used)
  - Refresh page again in case of caching
  - Scroll down to <databases> node, then to the <database> node for *AFMIL* and confirm that it shows zero documents
- Go to the Windows services control panel applet.
- Right-click on *AutonomyHTTPFetch*. If already running, stop it, and clean out files per the instructions below.
- Select run.

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- Monitor the job (see instructions below). After documents have started to index, re-navigate to the previous url ([http://<<MAIN\\_IDOL>>:17000/action=getStatus](http://<<MAIN_IDOL>>:17000/action=getStatus) or [http://<<LOAD\\_BALANCER>>:8000/action=getStatus](http://<<LOAD_BALANCER>>:8000/action=getStatus)), refresh the page again, and confirm that documents have been added for *AFMIL*

### Autonomy Service Dashboard

- In a command window, go to folder <<Tomcat5>>/bin
- Run the command .\startup.bat
- Open app: navigate to the URL <http://<<IP OF WINDOWS BOX>>:8080/autonomyservicedashboard>.
- Login with user *admin*, password *admin*.

## Monitoring UNIX services

### Checking for Valid Licenses

- All services use the same logging for license validity: the file license.log in the application's main directory
- This applies to **IDOL**, **DiSH**, **DIH**, **DAH**, **AutonomyFileSystemFetch**, **content**, **community** and **agentstore**.

### DIH & DAH (MAIN\_IDOL server only)

#### *How to tell if **DIH** is in communication with its child IDOL servers*

Edit or tail the file `IDOL5/DIH/AutonomyDIH.log`. Note: it can take several minutes before **DIH** "notices" the child servers that are on a different server from the **DIH**.

#### *How to tell if **DIH** receiving indexing commands and routing them to its child IDOL servers*

Edit or tail the file `IDOL5/DIH/logs/index.log`

#### *How to tell if **DAH** is in communication with its child IDOL servers*

Edit or tail the file `IDOL5/DAH/AutonomyDAH.log`. Note: it can take several minutes before **DAH** "notices" the child servers that are on a different server from the **DAH**.

#### *How to tell if **DAH** receiving queries*

Edit or tail the file `IDOL5/DAH/logs/index.log`

### DiSH

#### *How to tell if **DiSH** has launched its child services*

Edit or tail the file `IDOL5/IDOLserver/DiSH/AutonomyDiSH.log`. Note: it can take several minutes before **DIH** "notices" the child servers that are on a different server from the **DIH**.

#### *Examine the license*

Browse to [http://<<MAIN\\_IDOL>>:20000/Action=licenseinfo](http://<<MAIN_IDOL>>:20000/Action=licenseinfo)

### IDOL

#### *How to tell if **IDOL** has indexed data coming from a fetch*

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- Check the number of documents that are in the IDOL databases that the fetch indexes to. View the page [http://<<MAIN\\_IDOL>>:17000/action=getStatus](http://<<MAIN_IDOL>>:17000/action=getStatus) (if DAH is being used) or [http://<<LOAD\\_BALANCER>>:8000/action=getStatus](http://<<LOAD_BALANCER>>:8000/action=getStatus) (if load balancer is being used) and look at the <database> nodes under <databases>
- Do a search on text in one of the databases that the fetch indexes to using a Query action through the browser. Some samples:
  - [http://<<MAIN\\_IDOL>>:17000/action=Query&text=\\*&print=all&Databasematch=AFMIL](http://<<MAIN_IDOL>>:17000/action=Query&text=*&print=all&Databasematch=AFMIL) (if DAH is being used) or [http://<<LOAD\\_BALANCER>>:8000/action=Query&text=\\*&print=all&Databasematch=AFMIL](http://<<LOAD_BALANCER>>:8000/action=Query&text=*&print=all&Databasematch=AFMIL) (if load balancer is being used)
  - [http://<<MAIN\\_IDOL>>:17000/action=Query&text=\\*&print=all&Databasematch=Services\\_Registry](http://<<MAIN_IDOL>>:17000/action=Query&text=*&print=all&Databasematch=Services_Registry) (if DAH is being used) or [http://<<LOAD\\_BALANCER>>:8000/action=Query&text=\\*&print=all&Databasematch=Services\\_Registry](http://<<LOAD_BALANCER>>:8000/action=Query&text=*&print=all&Databasematch=Services_Registry) (if load balancer is being used)
  -

## FileSystemFetch

### *How to tell if the Fetch job is successfully running*

- Tail or edit the file `IDOL5/AutonomyFileSystemFetch/AutonomyFileSystemFetch.log`

## Monitoring Windows Services

### Tomcat

- Confirm that **Tomcat** is running: browse to <http://localhost:8080>. The default **Tomcat** home page should appear.
- Manage **Tomcat** webapps: browse to <http://localhost:8080/manager/html>. Log in using username=*tomcat*, password=*tomcat*.

### HTTPFetch

- Confirm the fetch is running: Edit the file `D:\Autonomy\AutonomyHTTPFetch\AutonomyHTTPFetch.log`
- Confirm that individual fetch jobs are running: **HTTPFetch** runs a series of Spider jobs (*HTML*, *PDFS*, *Best-Bets*, etc.). These jobs are listed in the **HTTPFetch** config file (`AutonomyHTTPFetch.cfg`). Each of these jobs have a log file (e.g. `HTML.log`, `PDFS.log`, etc.).
- Confirm that fetched data is being indexed: see the section *Monitoring Unix Services*.

### OracleFetch9i

- Confirm the fetch is running: Edit the file `D:\Autonomy\OracleFetch9i\OracleFetch9i.log`
- Confirm that individual fetch jobs are running: **OracleFetch9i** runs a series of Fetch jobs (*afp\_temp\_file\_editorial*, *afp\_temp\_file\_fa*, etc.). These jobs are listed in the **OracleFetch9i** config file (`OracleFetch9i.cfg`). Each of these jobs have a log file (e.g. `afp_temp_file_editorial.log`, etc.).
- Confirm that fetched data is being indexed: see the section *Monitoring Unix Services*.

## Ports Used by Unix Autonomy Services

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### On MAIN\_IDOL server

- **DIH** will be using 16000, 16001 and 16002 (per the .cfg file)
- **DAH** (if used) will be using 17000 and 17001 (per the .cfg file)

### On MAIN\_IDOL, se31, se32 and se33 servers

- **IDOL Server** will be using 8000, 8001, and 8002 (per the .cfg file)
- **DiSH** will be using 20000 and 20002 (per the .cfg file).
- **Content.exe**, a process spawned by IDOL server, will auto-select ports 8010 and 8011. This is not configurable. \*
- **Community.exe**, a process spawned by IDOL server, will auto-select port 8030. This is not configurable. \*
- **AgentStore.exe**, a process spawned by IDOL server, will auto-select ports 8050 and 8051. This is not configurable. \*
- **FileSystemFetch** will use ports 7001 and 40010 (per the .cfg file)
- *The auto-selected port numbers are selected deterministically from the ACIport of the **IDOL server**. If a number other than 8000 is selected for the ACIport, all these numbers will change as well.*

## Ports Used by Windows Services

- **Tomcat** listens on ports 8005 and 8080.
- **HTTPFetch** listens on port 40010
- **OracleFetch9i** listens on port 20002

## Stopping UNIX services

- DIH: cd to IDOL5/DIH/scripts and run Stop.sh
- DAH: cd to IDOL5/DAH/scripts and run StopService.sh
- DiSH and IDOL: cd to IDOL5/IDOLserver/scripts and run StopDiSHService, then StopIDOL.sh. It is critical that you do both, and in that order.
- FileSystemFetch: cd to IDOL5/AutonomyFileSystemFetch and run Stop.sh

## Stopping Windows services

### OracleFetch9i

- Go to the Windows services control panel applet.
- Right-click on *OracleFetch9i* and select Stop.

### HTTPFetch

- Go to the Windows services control panel applet.
- Right-click on *AutonomyHTTPFetch* and select Stop.

### Autonomy Service Dashboard

- In a command window, go to folder <<Tomcat>>/bin

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- Run the command `.\shutdown.bat`

## Cleaning between runs on Unix

Anytime a service is stopped, certain files must be cleaned out before starting the service again, and others are discretionary (leaving them there will not be harmful).

### DIH

- In `IDOL5/DIH`, remove files `AutonomyDIH.lck`, `AutonomyDIH.str`, and `license.log`.  
Discretionary: all the files in `IDOL5/DIH/logs`.

### DAH

- In `IDOL5/DAH`, remove files `AutonomyDAH.lck`, `AutonomyDAH.str`, `AutonomyDAHcfg.log` and `license.log`. Discretionary: all the files in `IDOL5/DAH/logs`.

### DiSH

- In `IDOL5/IDOLserver/DiSH`, remove files `AutonomyDiSH.log`, `AutonomyDiSHcfg.log`, `AutonomyDiSH.lck`, `license.log` and `AutonomyDiSH.str`. Discretionary: all the files in `IDOL5/IDOLserver/DiSH/logs`.

### IDOL

- In `IDOL5/IDOLserver/IDOL`, remove files `AutonomyIDOLServer.log`, `AutonomyIDOLServercfg.log`, `AutonomyIDOLServer.lck`, `license.log` and `AutonomyIDOLServer.str`.
- In directory *agentstore*, remove `agentstore.lck`, `agentstore.log`, `agentstore.str` and `license.log`.
- In directory *community*, remove `community.lck`, `community.log`, `community.str` and `license.log`.
- In directory *content*, remove `content.lck`, `content.log`, `content.str` and `license.log`.

## Cleaning between runs on Windows

Anytime a service is stopped, certain files must be cleaned out before starting the service again, and others are discretionary (leaving them there will not be harmful).

### OracleFetch9i

- `OracleFetch9i.lck`, `OracleFetch9i.log`, `OracleFetch9icfg.log` and `license.log`
- Log files generated by fetch jobs. Each fetch job configured in `OracleFetch9i.cfg` specifies its log file (e.g. `EDITORIAL_In_File_import.log`, `simple_EDITORIAL_import.log`, etc.)
- Directories generated by fetch jobs. These directories will have the same name as the jobs (e.g. *afp\_temp\_attach\_editorial*, *afp\_temp\_simple\_editorial*)

### HTTPFetch

- `AutonomyHTTPFetch.lck`, `AutonomyHTTPFetch.log`, `AutonomyHTTPFetch.log` and `license.log`

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- Log files generated by Spider jobs. Each Spider job configured in `AutonomyHTTPFetch.cfg` specifies its log file (e.g. `HTMLS.log`, `PDFS.log`, etc.)
- Directories generated by Spider jobs. These directories will have the same name as the jobs (e.g. `HTMLS`, `PDFS`, etc.)

## Uninstalling Unix Services

Each service has an uninstaller script that can be run at the command line.

- **IDOL, DiSH, Content.exe, Community.exe and AgentStore.exe:** run the script `IDOL5/IDOLserver/IDOLUninstallerData/Uninstall`
- **DIH:** run the script `IDOL5/DIH/Uninstall DIH/Uninstall_DIH`
- **DAH:** run the script `IDOL5/DAH/Uninstall_DAH/Uninstall_DAH`
- **FileSystemFetch:** run the script `IDOL5/AutonomyFileSystemFetch/Uninstall.sh`

## UnInstalling Windows services

- **HTTPFetch:** remove using the Control Panel *Add Remove Programs* applet
- **OracleFetch9i:** remove using the Control Panel *Add Remove Programs* applet
- **Java1.4:** remove using the Control Panel *Add Remove Programs* applet
- **Autonomy Services Dashboard:** delete the `<<Tomcat5>>` directory

## TEST PROCEDURE:

Please refer to these documents:

AFP\_6.1.019\_Autonomy\_Upgrade-Test\_Procedures.doc

AFP\_6.1.019\_Autonomy\_Upgrade-Test\_Report.doc

## QUALIFICATION TEST RESULTS:

This release was successfully tested on our test environment.

## RELEASE CONTENT:

AFP\_6.1.019\_Autonomy\_Upgrade\_install.zip

AFP\_6.1.019\_Autonomy\_Upgrade-Test\_Procedures.doc

AFP\_6.1.019\_Autonomy\_Upgrade-Test\_Report.doc

PRN1523\_AFP6.1.019\_Autonomy\_5.x\_Upgrade.doc (This document)

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