



# Yes You Can!

You don't Need to be a Rocket Scientist (or Systems Administrator!) to Upgrade your Voyager Server!  
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# Who Am I?

- Laura Guy, Colorado School of Mines
- Systems Librarian
- Working with Voyager for over ten years
- Frequent Field Test Partner
- Some Systems Administration experience
- Full access to the Voyager server

# Why Run the VIK?

- Are you a control freak?
  - Control over timing
  - Control over process
  - Control over errors
- A do-it-yourselfer?
  - Do things on your own
- Increased independence
- No one knows your system as well as you

## Should You Run the VIK?

- ExL will still do upgrades for you
- Takes time – just how much depends...
- Familiarity with your server and Voyager
- Extension modules all supported?
- Oracle version? Current Voyager version?
- Easy but not stress-free
- “Intestinal Fortitude”

# Things You Can Do Ahead of Time

- Read The Manual!
- Patch to Oracle 10.2.0.4 if needed
- Get your License Key via e-Service
- Know your extension modules & passwords
- Check your backups; test your restores
- Download and install the VIK
- Run the installation steps through step 4.1

# Things You Need to Know

- Server's IP address
- Fully Qualified Domain Name
- Root password
- Voyager base installation directory
- Customer-created "add-ons" and their installation directions
- License Key, download passwords

# Things to Keep in Mind

- You can run steps up through 4.1 as many times as you need
- The VIK is modular and flexible
- It upgrades third-party products (Perl, etc)
- Be patient. Some steps take time
- Regen may be required, but may not
- Things can go wrong. Be prepared!

# Running the VIK

- Take detailed notes. Logs are not super-useful so write down what you do
- Pay attention to the menu!
- Make sure you understand everything
- Use defaults in [] if you are unsure (but you shouldn't be unsure!)



**KB Item:** FTP Password for media user on ftp.endinfosys.com

### Detail

The following username/password pair applies to ftp.endinfosys.com (207.56.64.59):

Media Scheduling clients and server binaries

User: media

Pass:

Please copy the password directly to the clipboard to avoid character confusion. The main Voyager passwords are listed in KB 16384-11361.

### Resolution

### Related KB Items

#### Name

[16384-11361: FTP Passwords for voyager, odbc, preview, and patch users on ftp.endinfosys.com: Voyager](#)

```
voytest.coalliance.org - PuTTY

Voyager Installation Kit
-----

Date:      Wed Apr 14 08:12:20 MDT 2010
OS:        SunOS
Server:    voytest
User:      root
Version:   1.1
-----

- 1. Complete the preinstallation tasks
- 2. Download the software
- 3. Create / Restore Backup
- 4. Complete Third Party Software Upgrade / Installation
- 5. Complete the Voyager Software Upgrade / Installation
- 6. Complete the postinstallation tasks
Enter an Option (q to Quit) [q]: █
```

# Pre-installation System Checks

- Upgrade requirements (hardware, etc)
- List of your databases
- Third Party Products
- Extension modules licensing
- You'll also run these again at the end
- I copy and paste the information into a text file for later review

## Voyager Installation Kit

---

Date: Thu Apr 15 10:47:10 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1

---

### 1. Complete the preinstallation tasks

---

- OK 1. Configure the VIK Environment
- OK 2. Complete the pre-installation system checks
- OK 3. Create / Update the site information
- OK 4. View Site
- OK 5. Create / Update the server information
- OK 6. View Server(s) Information
- OK 7. Create exlibris group
- OK 8. Create dba group
- OK 9. Create oracle user
- OK 10. Create voyager user
- OK 11. Install Voyager License
- OK 12. Run Pre-Installation Setup

Enter an Option (q to Quit)[q]: █

Voyager Installation Kit

---

Date: Thu Apr 15 11:28:45 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1

---

2. Download the software

2.3. Download the Voyager Extension Modules

---

Select the Extension Modules to Download::

- 0): [ ] Media Scheduling
  - 1): [ ] Citation Server
  - 2): [ ] ILL
  - 3): [ ] ImageServer
  - 4): [ ] Self Check
  - 5): [ ] ARS
  - 6): [ ] Sweden Extension
  - 7): [ ] Voyager Primo
- 

A) to select all  
U) to unselect all  
C) to continue  
U) to unselect all  
X) to exit  
or enter the number to modify :

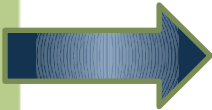


## Voyager Installation Kit

```
-----  
Date: Thu Apr 15 12:01:44 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1  
-----
```

### 2. Download the software

```
-----  
OK 1. Download ftp configuration file  
OK 2. Download the Voyager software  
OK 3. Download the Voyager Extension Modules  
OK 4. Download Voyager Service Pack  
- 5. Download the third-party products  
- 6. Check for Completion of Downloads  
- 7. Check for the successful/correct download of the Voyager software  
- 8. Check for the successful/correct download of the Voyager Extension Modules  
- 9. Check for the successful/correct download of the Voyager Service Pack(s)  
- 10. Check for the successful/correct download of the third-party products  
Enter an Option (q to Quit) [q]: █
```



Voyager Installation Kit

---

Date: Thu Apr 15 12:02:59 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1

---

- 2. Download the software
  - 2.5. Download the third-party products
- 

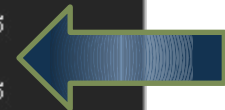
Downloading: SunOS/2007.2.0/2007.2.0.SHARED.tar.bz2 [18231]  
Press Enter to Continue: █

Voyager Installation Kit

-----  
Date: Thu Apr 15 12:08:29 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1  
-----

2. Download the software  
2.7. Check for the successful/correct download of the Voyager software  
-----

Checking for 2007.2.0.FULL.tar.bz2.....SUCCESS  
Checking 2007.2.0.TRAINDB.tar.bz2.....FAILED  
Checking for 2007.2.0.UPGRADE.tar.bz2.....SUCCESS  
Checking for 2007.2.0.UTILITY.tar.bz2.....SUCCESS  
Checking 2007.2.0.script.tar.bz2.....FAILED  
Checking for m1\_utility\_20090728.tar.bz2.....SUCCESS  
Press Enter to Continue: █





Voyager Installation Kit

-----  
Date: Mon Apr 19 05:01:12 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1  
-----

3. Create / Restore Backup  
3.1. Voyager / Oracle Backups  
-----

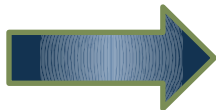
Voyager Backup

- - 1. Check Voyager Backup Space  
- 2. Stop Voyager  
- 3. Perform Voyager Backup  
- 4. Start Voyager - Optional  
-----

Oracle Backup

- - 5. Check Oracle Backup Space  
- 6. Stop Voyager and Oracle  
- 7. Perform Oracle Backup  
- 8. Start Voyager and Oracle  
-----

Enter an Option (q to Quit) [q]: █



## Installation! Step 4

- This step upgrades the existing Java, Perl, and Tomcat, or installs a new version of the software in /m1/shared if it is required by the release.

Voyager Installation Kit

---

Date: Mon Apr 19 08:18:19 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1

---

4. Complete Third Party Software Upgrade / Installation  
4.4. Install / Upgrade third-party software

---

Setting Up /m1/shared  
Archiving /m1/shared/java/jdk1.6.0\_14.....OK  
Archiving /m1/shared/perl/5.8.8\_Oracle10.....OK  
Archiving /m1/shared/Tomcat/6.0.18.....OK  
Cleaning up /m1/shared/httpd/2.2.6.....OK  
Archiving /m1/shared/apache2.....OK  
Moving /m1/shared/apache2 to /m1/shared/httpd/2.2.6.....OK  
Setting up Sym Link to apache2.....OK  
Setting up Java jdk1.6.0\_14.....OK  
Setting up Perl 5.8.8\_Oracle10.....OK  
Setting up Tomcat 6.0.18.....OK  
Press Enter to Continue:

# Installation! Step 5

- This step installs the new version of the Voyager binaries, libraries, upgrade scripts and utilities into /m1/voyager for the databases specified
- Next, the Voyager database schema are upgraded
- Extension modules, tuning
- Regens and service pack (if required)

Voyager Installation Kit

-----  
Date: Mon Apr 19 09:04:41 MDT 2010  
OS: SunOS  
Server: voytest  
User: root  
Version: 1.1  
-----

5. Complete the Voyager Software Upgrade / Installation  
5.4. View Database Configuration  
-----

Checking for Voyager Base: /m1/voyager.....OK

Database	User/Pass	Port	Version	Type
csmphotosdb	csmphotosdb/Vcsmphotosdb	92	2007.2.0	P
csmdb	csmdb/Vcsmdb	71	2007.2.0	P

```
Executing Upgrade...
```

```
Logs are in /m1/incoming/v720/voy721_Files/logs/UPGRADE/csmdb/upgrade/
```

```
Starting SQL Patch for csmdb.....Upgrade Finished
```

```
Verifying logs...
```

```
Upgrade started at: Mon Apr 19 09:51:54 MDT 2010
```

```
Upgrade ended at: Mon Apr 19 09:53:55 MDT 2010
```

```
Upgrade was successful!
```

```
Logs are in /m1/incoming/v720/voy721_Files/logs/UPGRADE/csmphotosdb/upgrade/
```

```
Starting SQL Patch for csmphotosdb.....Upgrade Finished
```

```
Verifying logs...
```

```
Upgrade started at: Mon Apr 19 09:53:56 MDT 2010
```

```
Upgrade ended at: Mon Apr 19 09:55:29 MDT 2010
```

```
Upgrade was successful!
```

```
Executing postchange_version...
```

```
Updating csmdb voyager.env to new version...
```

```
Updating csmphotosdb voyager.env to new version...
```

```
Executing spp...
```

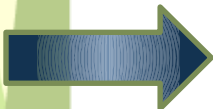
```
Restoring permissions...
```

```
Restored
```

```
Please check all log files in /m1/incoming/v720/voy721_Files/logs
```

```
The patch is not complete until you have examined all the logs!
```

```
Press Enter to Continue: █
```



# Post-Installation Tasks

- Update .profiles
- Update Start / Stop scripts
- Restore permissions & archived Apache cfgs
- Update utility scripts
- Run System Check Script
- Reboot
- Test Clients
- Cleanup & WebVoyage Customizations

```
#####  
##          Voyager Statistical Information          ##  
#####
```

XXXDB Detail

```
-----  
csmdb: Status live  
Version: 2007.2.1  
BIB/AUTH/MFHD: 386448/206326/483795  
DB Size (used MB/max MB, %): 5498/8192, 67%  
DB Regen Space Needed: 13745 MB
```

```
csmphtosdb: Status live  
Version: 2007.2.1  
BIB/AUTH/MFHD: 4779/0/0  
DB Size (used MB/max MB, %): 120/200, 60%  
DB Regen Space Needed: 500 MB
```

```
#####  
##          Third Party Products Checks          ##  
#####  
Checking: Tomcat Version = 6.0.18.....OK  
Checking: Apache2 Version = 2.2.6.....OK  
Checking: Java Version = 1.6.0_14.....OK  
Checking: Perl Version = 5.8.8 Oracle10.....OK
```





Hooray!

Click to edit the Master subtitle style