Install Clearcase Server 7.1 Linux (Redhat)

Installing Clearcase Server 7.1 on Red Hat Enterprise Linux AS release 4 (Nahant Update 8)

Prerequisites

Apply this changes to the clearcase software packages

```
chmod +x /root/cc/InstallerImage_linux/jre_5.0.3.sr8a_20080811b/jre/bin/java
chmod +x /root/cc/InstallerImage_linux/install
chmod +x /root/cc/launchpad/*.sh
```

Extra software packages needed:

```
up2date -i gcc
```

Kernel Image

```
cd /tmp
wget
http://fermi.inf.unibz.it/cdimages/kernel-devel-2.6.9-89.0.25.EL.x86_64.rpm
rpm -i kernel-devel-2.6.9-89.0.25.EL.x86_64.rpm
```

Kernel source

```
up2date redhat-rpm-config rpm-build
up2date --get-source kernel
rpm -ivh /var/spool/up2date/kernel*.src.rpm
cd /usr/src/redhat/SPECS
rpmbuild -bp --target=i686 kernel-2.6.spec
cp -a /usr/src/redhat/BUILD/kernel-2.6.9/linux-2.6.9 /usr/src
ln -s /usr/src/linux-2.6.9 /usr/src/linux
```

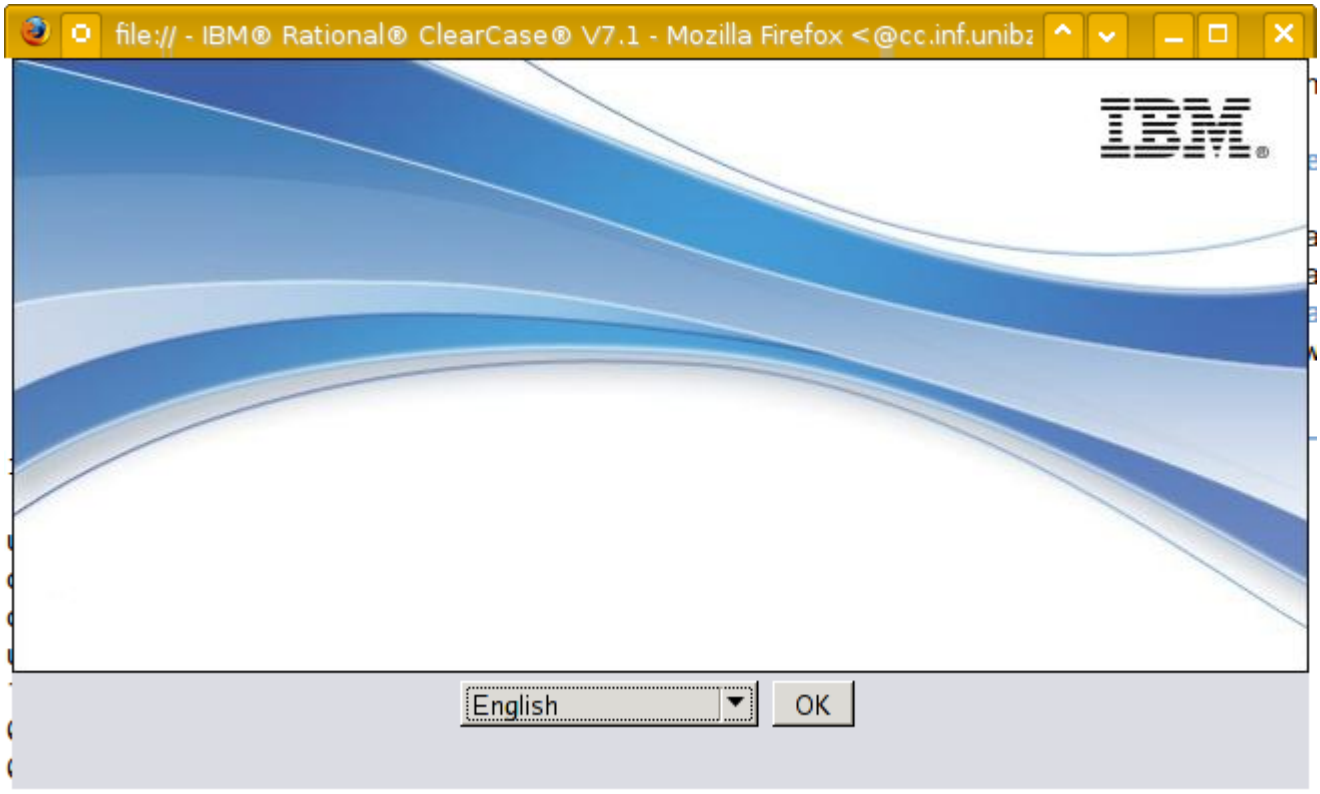
To allow mvfs to work ok!

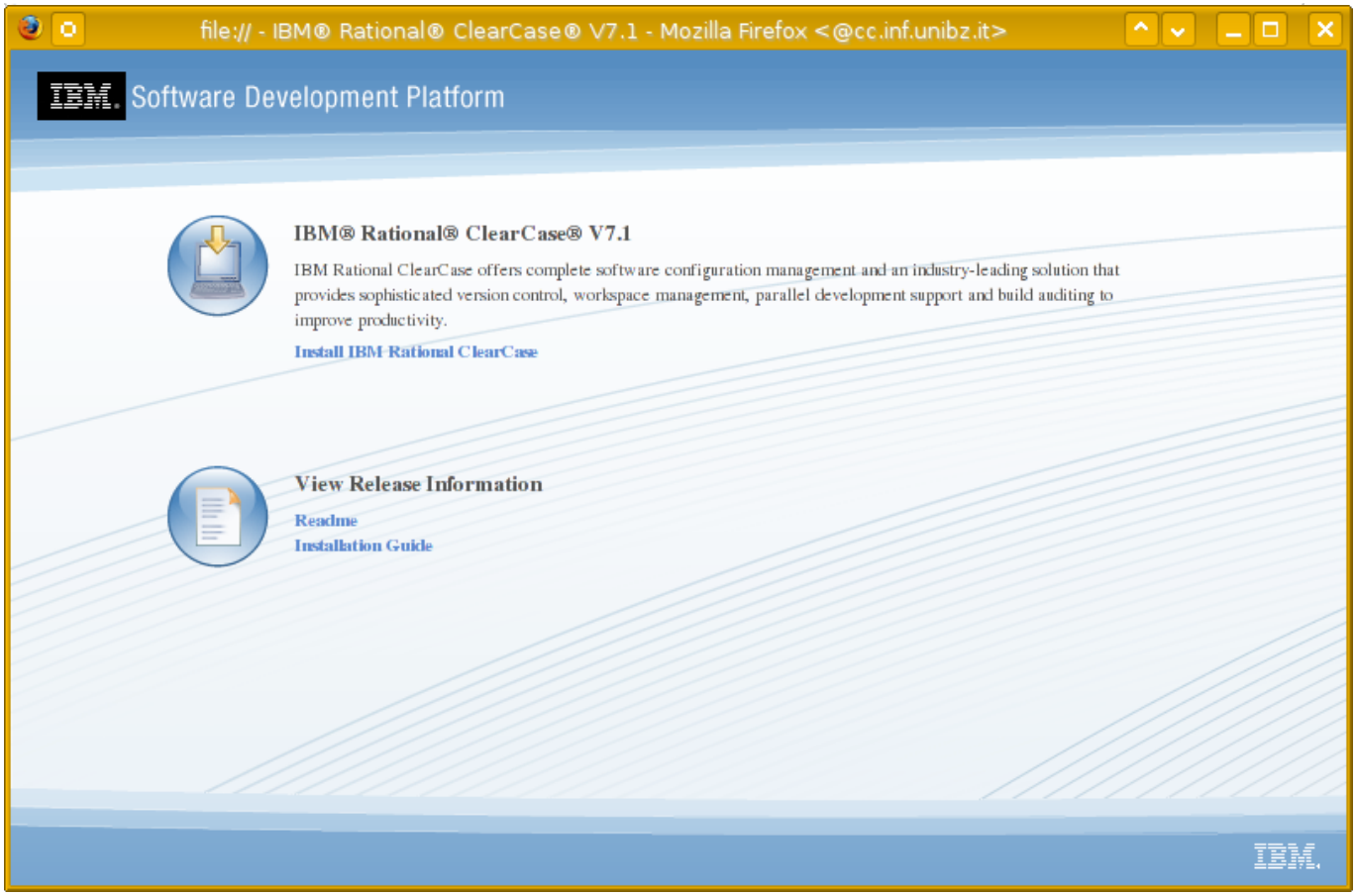
```
mkdir /var/adm/rational/clearcase
touch /var/adm/rational/clearcase/no_mvfs_tag
```

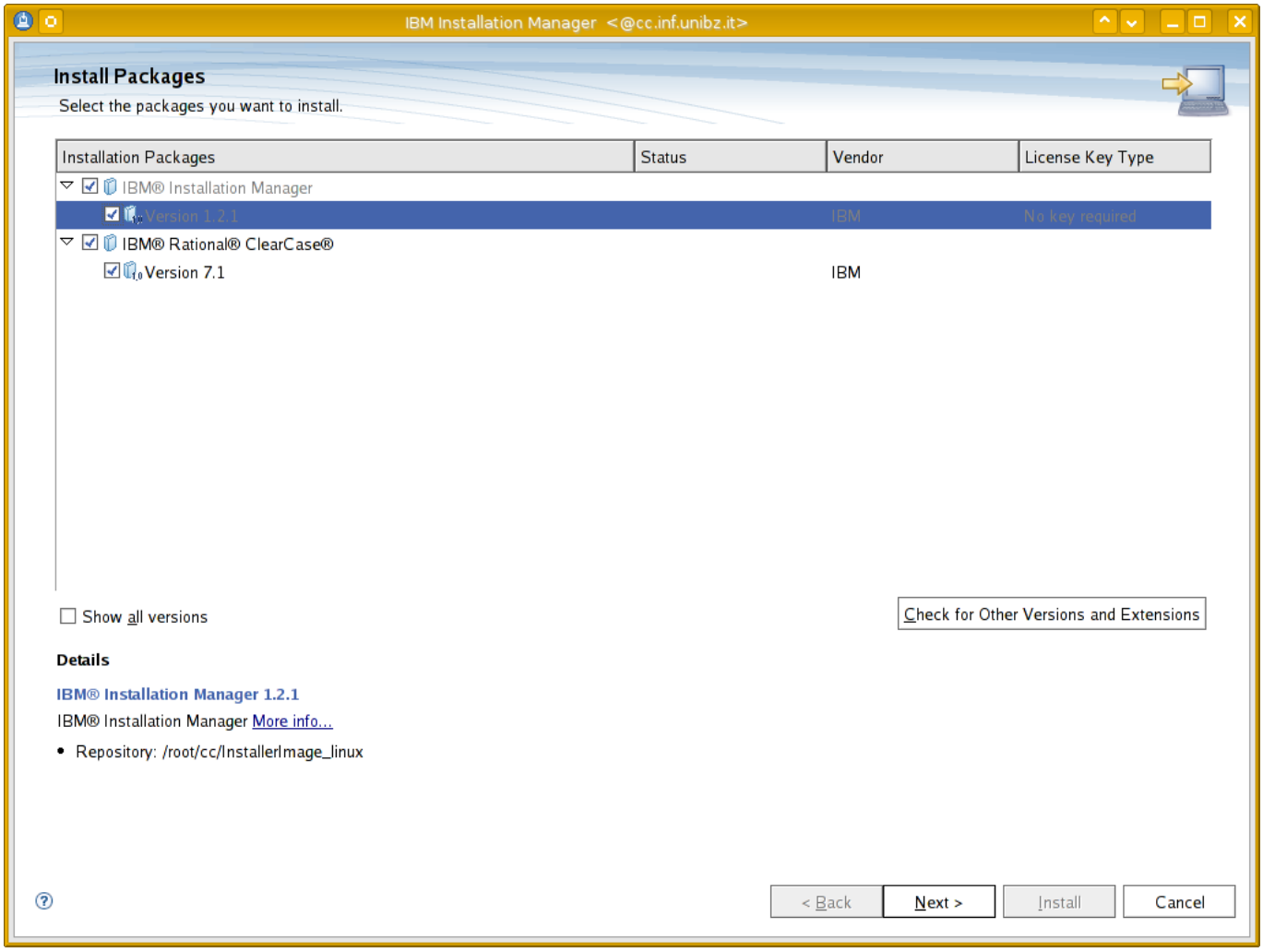
Installation

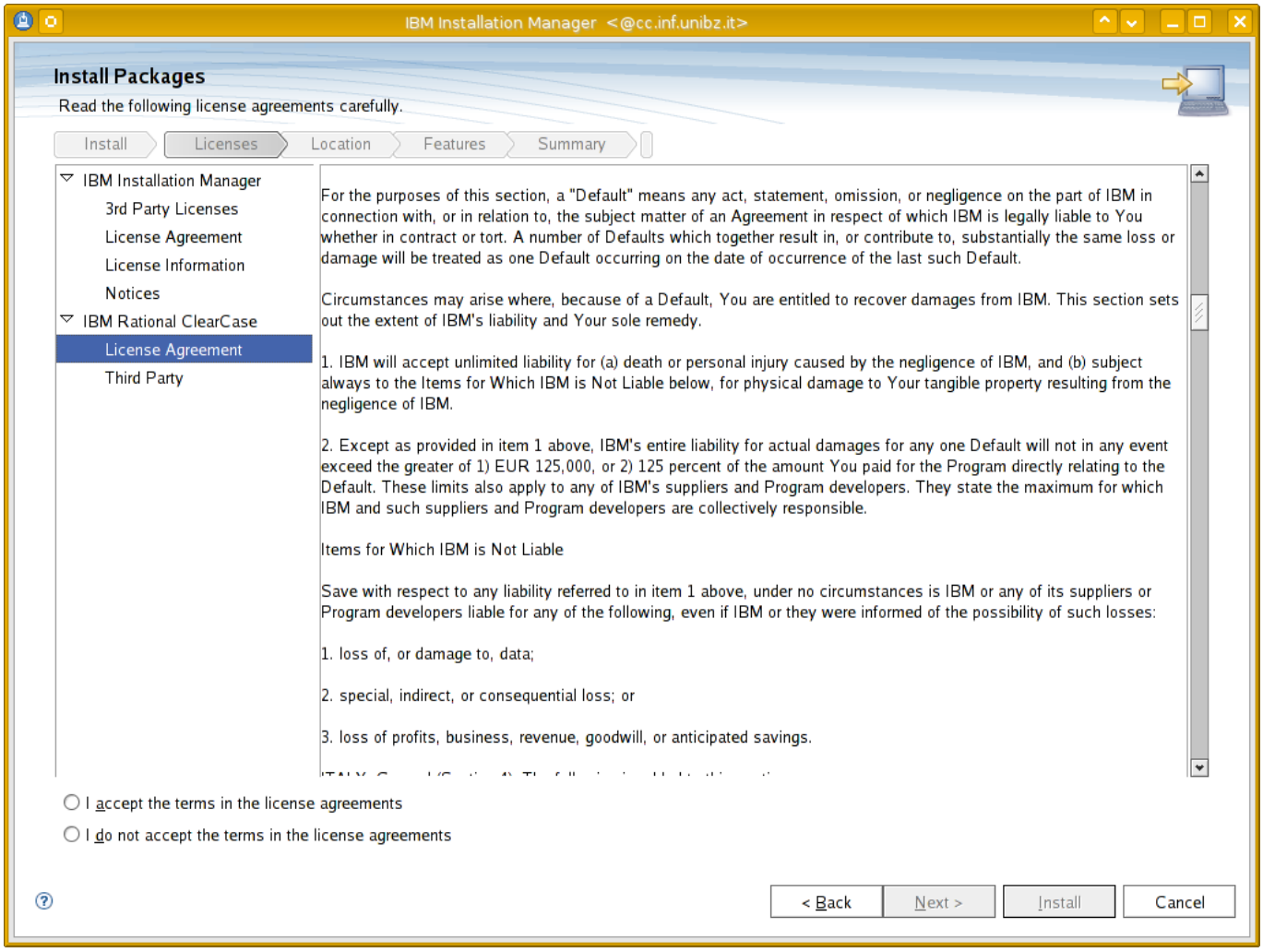
```
[root@cc cc]# ./launchpad.sh
```

```
Here are the screenshots!!!!
```






IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Select the packages you want to install.
Installation Packages
Status
Vendor
License Key Type
IBM® Installation Manager
Version 1.2.1
IBM
No key required
IBM® Rational® ClearCase®
Version 7.1
IBM
Show all versions
Check for Other Versions and Extensions
Details
IBM® Installation Manager 1.2.1
IBM® Installation Manager More info...
Repository: /root/cc/InstallerImage_linux
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Read the following license agreements carefully.
Install
Licenses
Location
Features
Summary
IBM Installation Manager
3rd Party Licenses
License Agreement
License Information
Notices
IBM Rational ClearCase
License Agreement
Third Party
For the purposes of this section, a "Default" means any act, statement, omission, or negligence on the part of IBM in connection with, or in relation to, the subject matter of an Agreement in respect of which IBM is legally liable to You whether in contract or tort. A number of Defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one Default occurring on the date of occurrence of the last such Default.
Circumstances may arise where, because of a Default, You are entitled to recover damages from IBM. This section sets out the extent of IBM's liability and Your sole remedy.
1. IBM will accept unlimited liability for (a) death or personal injury caused by the negligence of IBM, and (b) subject always to the Items for Which IBM is Not Liable below, for physical damage to Your tangible property resulting from the negligence of IBM.
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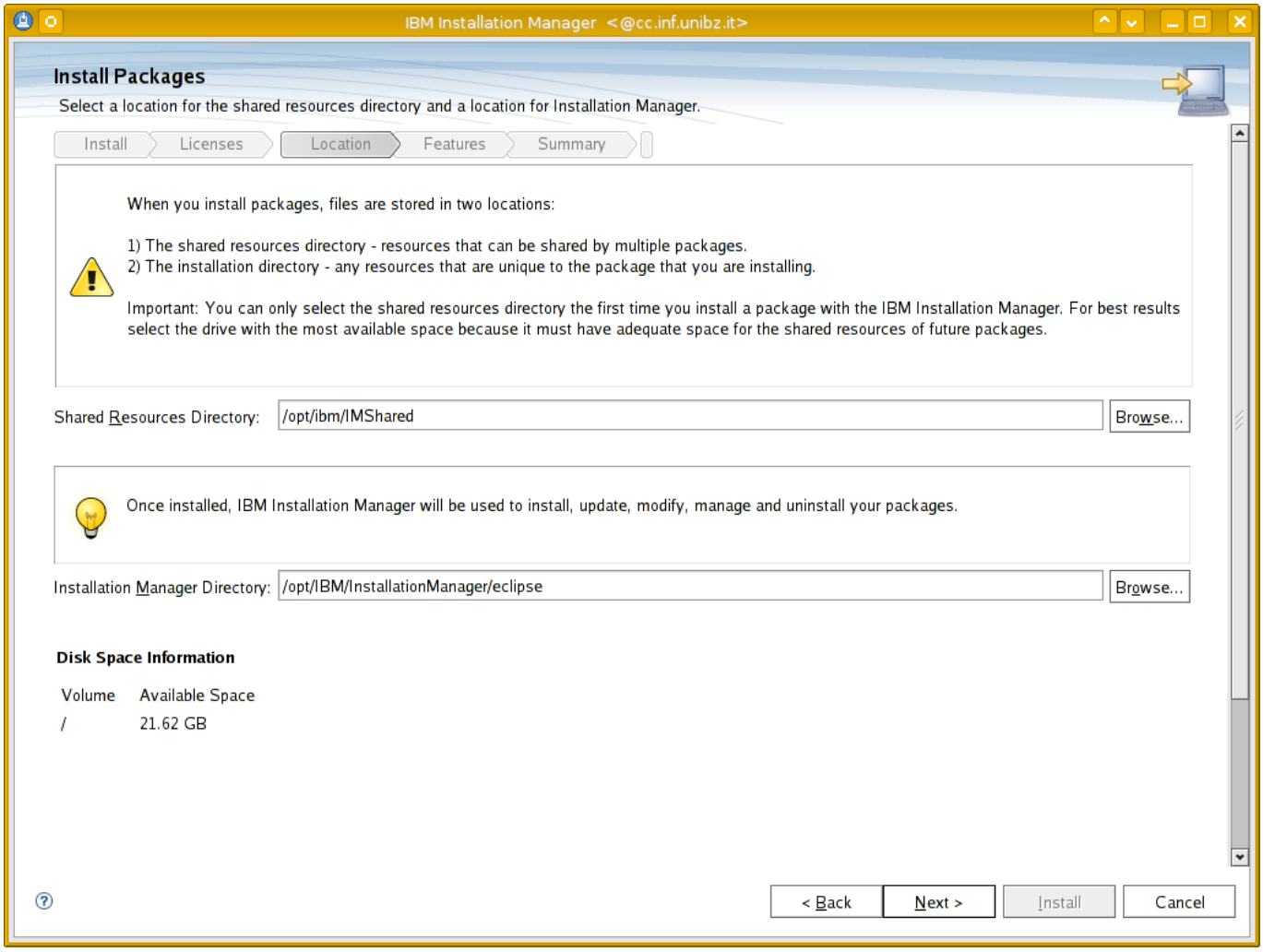
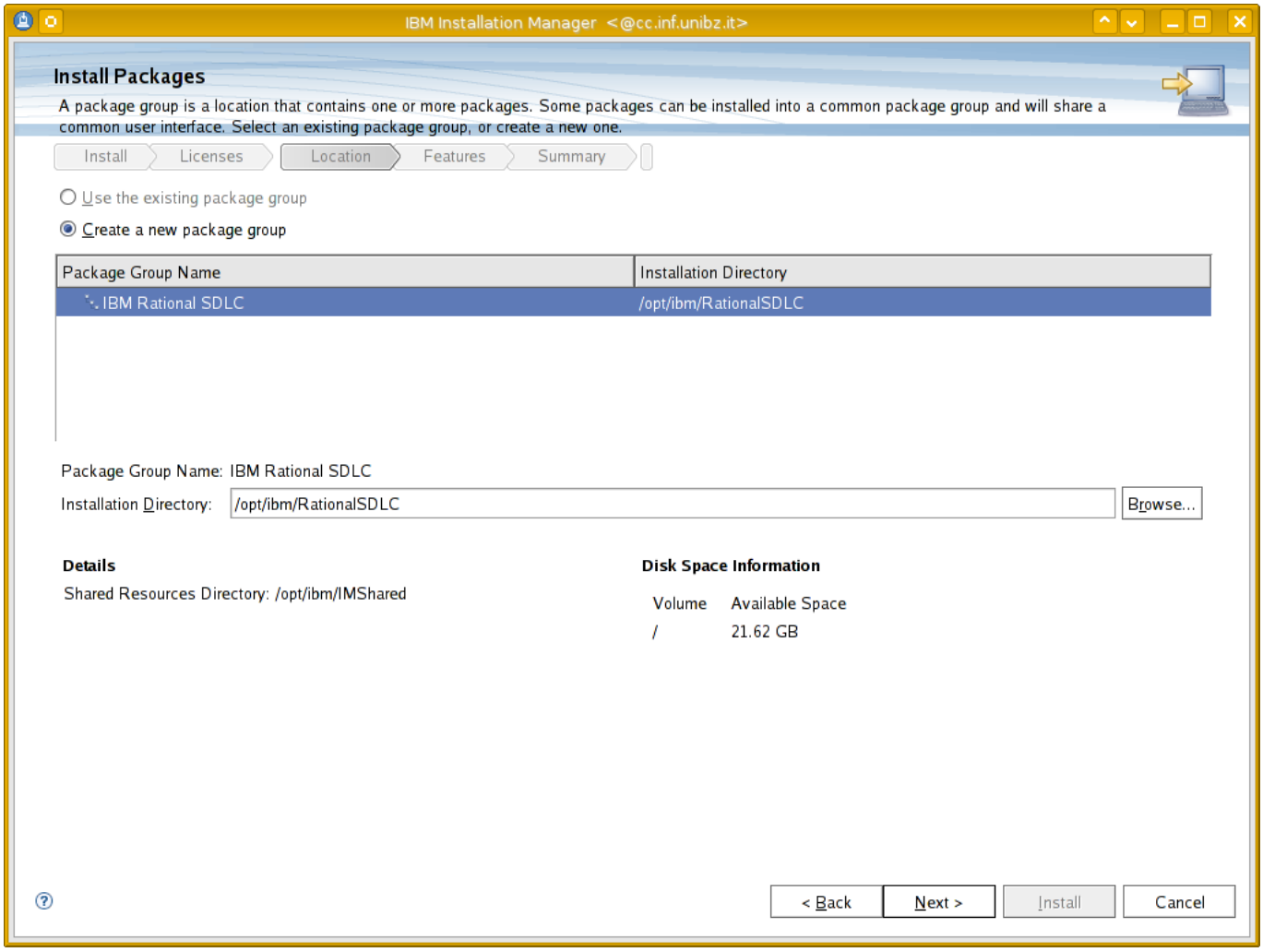
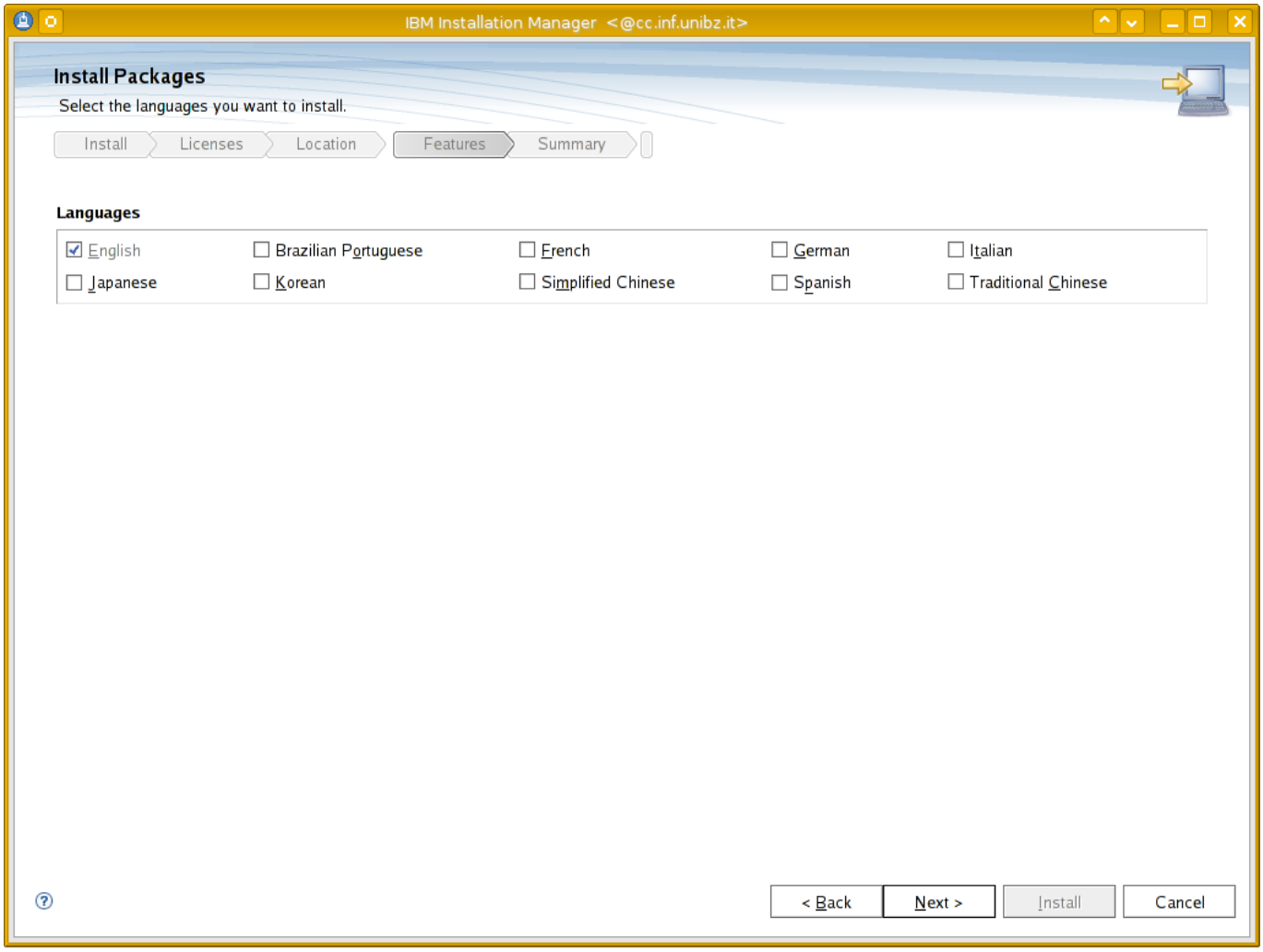
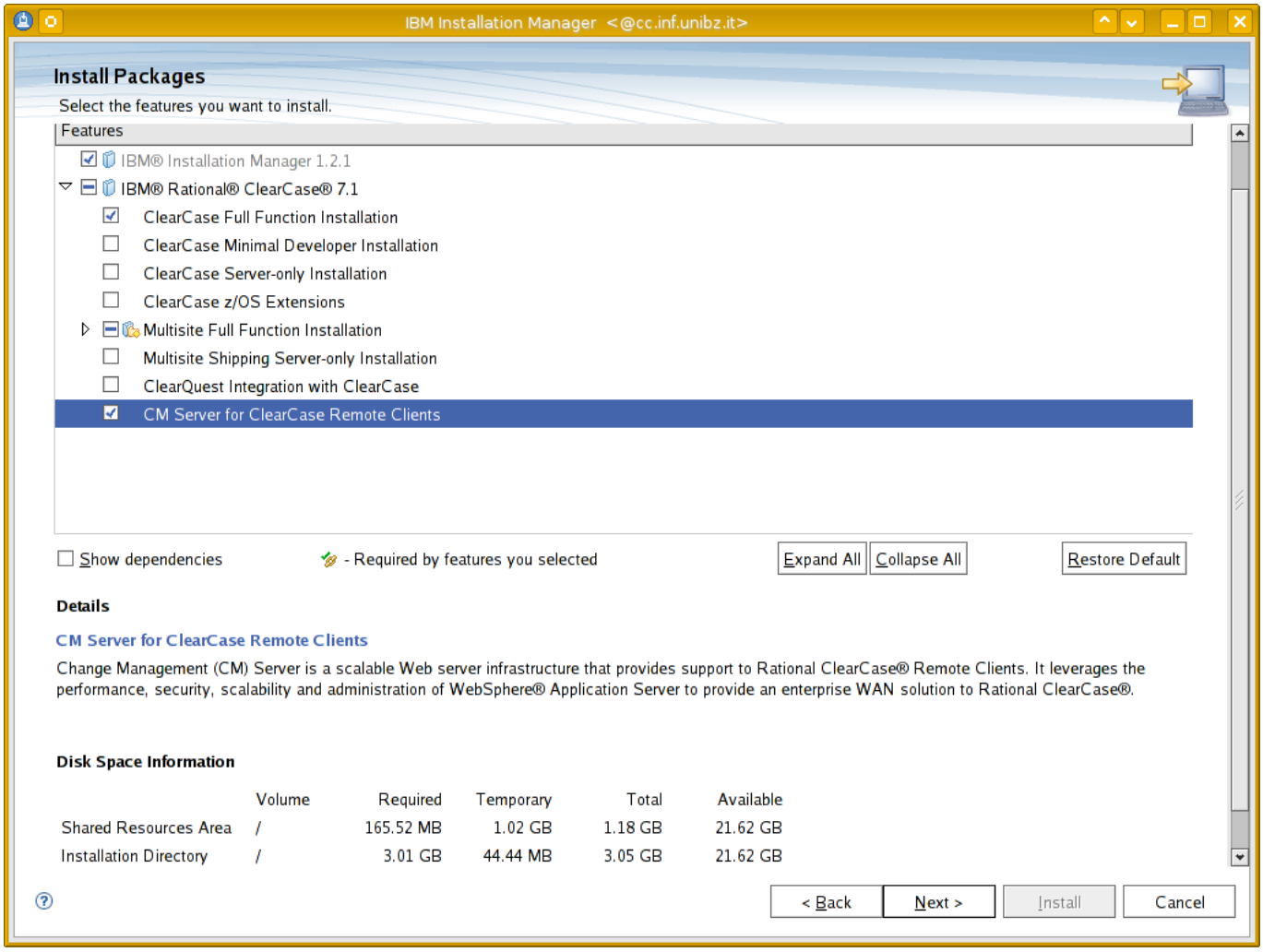
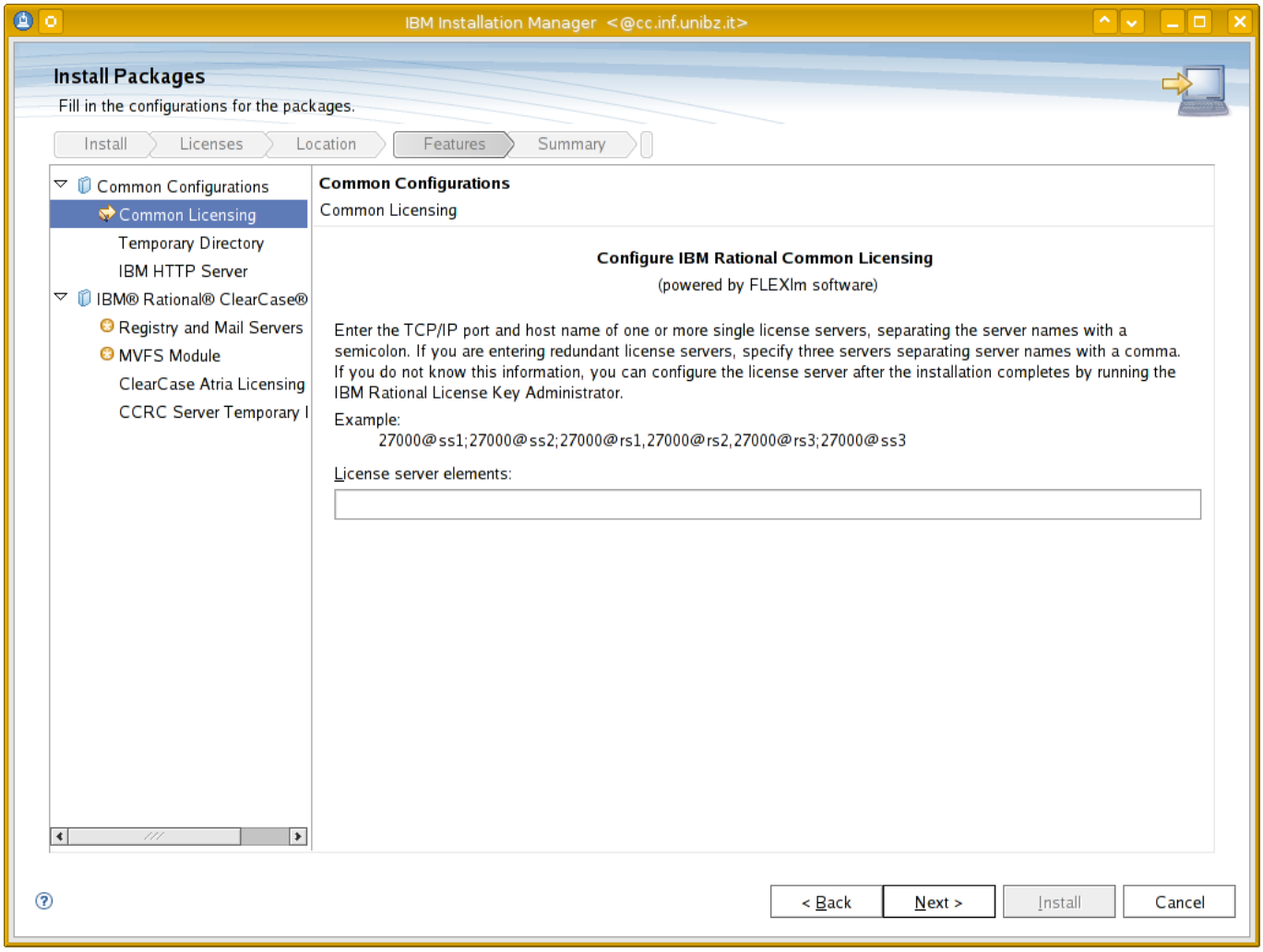
1. loss of, or damage to, data;
2. special, indirect, or consequential loss; or
3. loss of profits, business, revenue, goodwill, or anticipated savings.
I accept the terms in the license agreements
I do not accept the terms in the license agreements
< Back
Next >
Install
Cancel

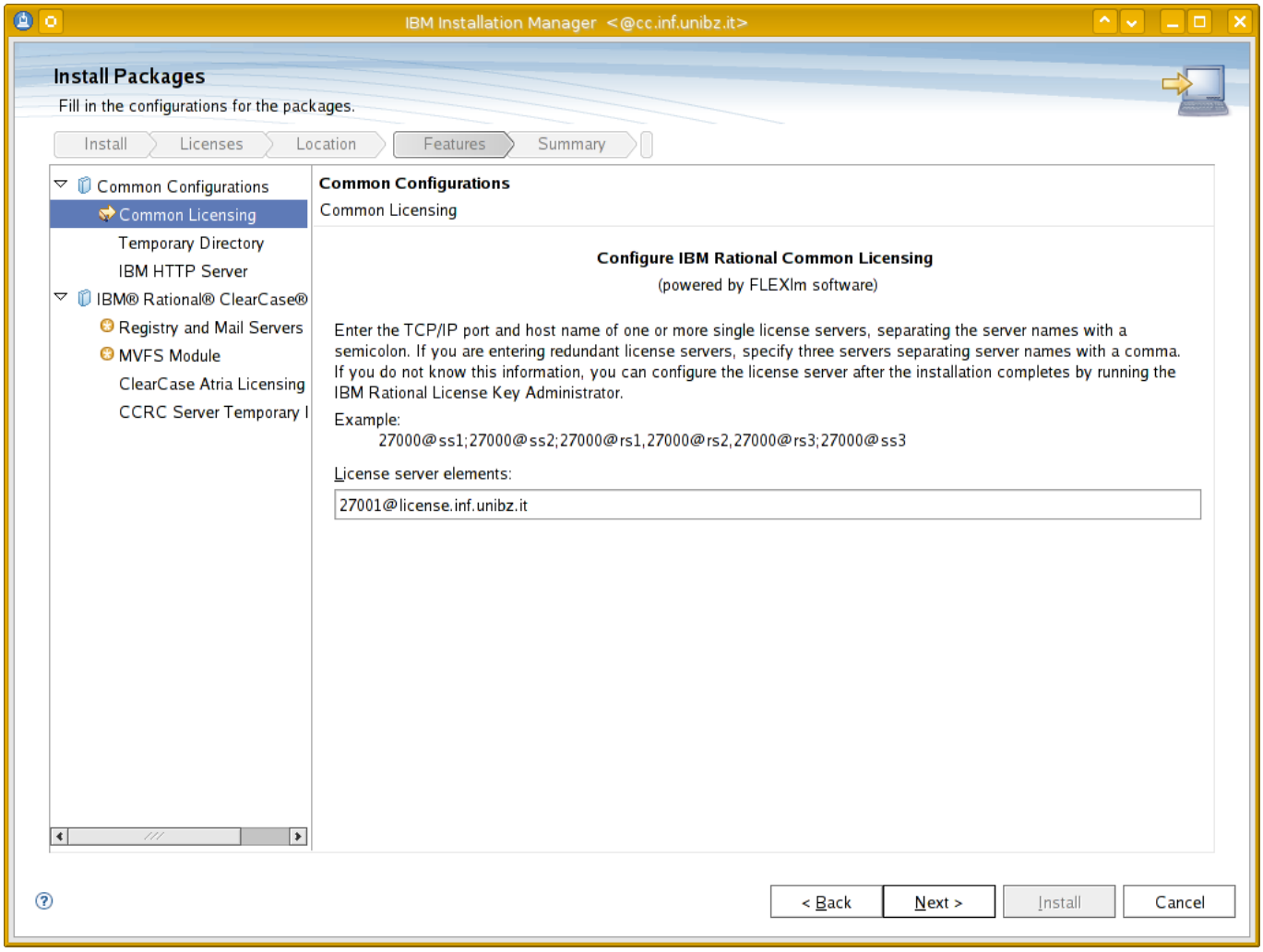

IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Select a location for the shared resources directory and a location for Installation Manager.
Install
Licenses
Location
Features
Summary
When you install packages, files are stored in two locations:
1) The shared resources directory - resources that can be shared by multiple packages.
2) The installation directory - any resources that are unique to the package that you are installing.
Important: You can only select the shared resources directory the first time you install a package with the IBM Installation Manager. For best results select the drive with the most available space because it must have adequate space for the shared resources of future packages.
Shared Resources Directory:
/opt/ibm/IMShared
Browse...
Once installed, IBM Installation Manager will be used to install, update, modify, manage and uninstall your packages.
Installation Manager Directory:
/opt/IBM/InstallationManager/eclipse
Browse...
Disk Space Information
Volume
Available Space
/
21.62 GB
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
A package group is a location that contains one or more packages. Some packages can be installed into a common package group and will share a common user interface. Select an existing package group, or create a new one.
Install
Licenses
Location
Features
Summary
Use the existing package group
Create a new package group
Package Group Name
Installation Directory
IBM Rational SDLC
/opt/ibm/RationalSDLC
Package Group Name: IBM Rational SDLC
Installation Directory:
/opt/ibm/RationalSDLC
Browse...
Details
Shared Resources Directory: /opt/ibm/IMShared
Disk Space Information
Volume
Available Space
/
21.62 GB
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Select the languages you want to install.
Install
Licenses
Location
Features
Summary
Languages
English
Brazilian Portuguese
French
German
Italian
Japanese
Korean
Simplified Chinese
Spanish
Traditional Chinese
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Select the features you want to install.
Features
IBM® Installation Manager 1.2.1
IBM® Rational® ClearCase® 7.1
ClearCase Full Function Installation
ClearCase Minimal Developer Installation
ClearCase Server-only Installation
ClearCase z/OS Extensions
Multisite Full Function Installation
Multisite Shipping Server-only Installation
ClearQuest Integration with ClearCase
CM Server for ClearCase Remote Clients
Show dependencies
- Required by features you selected
Expand All
Collapse All
Restore Default
Details
CM Server for ClearCase Remote Clients
Change Management (CM) Server is a scalable Web server infrastructure that provides support to Rational ClearCase® Remote Clients. It leverages the performance, security, scalability and administration of WebSphere® Application Server to provide an enterprise WAN solution to Rational ClearCase®.
Disk Space Information
Volume Required Temporary Total Available
Shared Resources Area / 165.52 MB 1.02 GB 1.18 GB 21.62 GB
Installation Directory / 3.01 GB 44.44 MB 3.05 GB 21.62 GB
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Common Configurations
Common Licensing
Configure IBM Rational Common Licensing
(powered by FLEXlm software)
Enter the TCP/IP port and host name of one or more single license servers, separating the server names with a semicolon. If you are entering redundant license servers, specify three servers separating server names with a comma. If you do not know this information, you can configure the license server after the installation completes by running the IBM Rational License Key Administrator.
Example:
27000@ss1;27000@ss2;27000@rs1,27000@rs2,27000@rs3;27000@ss3
License server elements:
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
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Common Licensing
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(powered by FLEXlm software)
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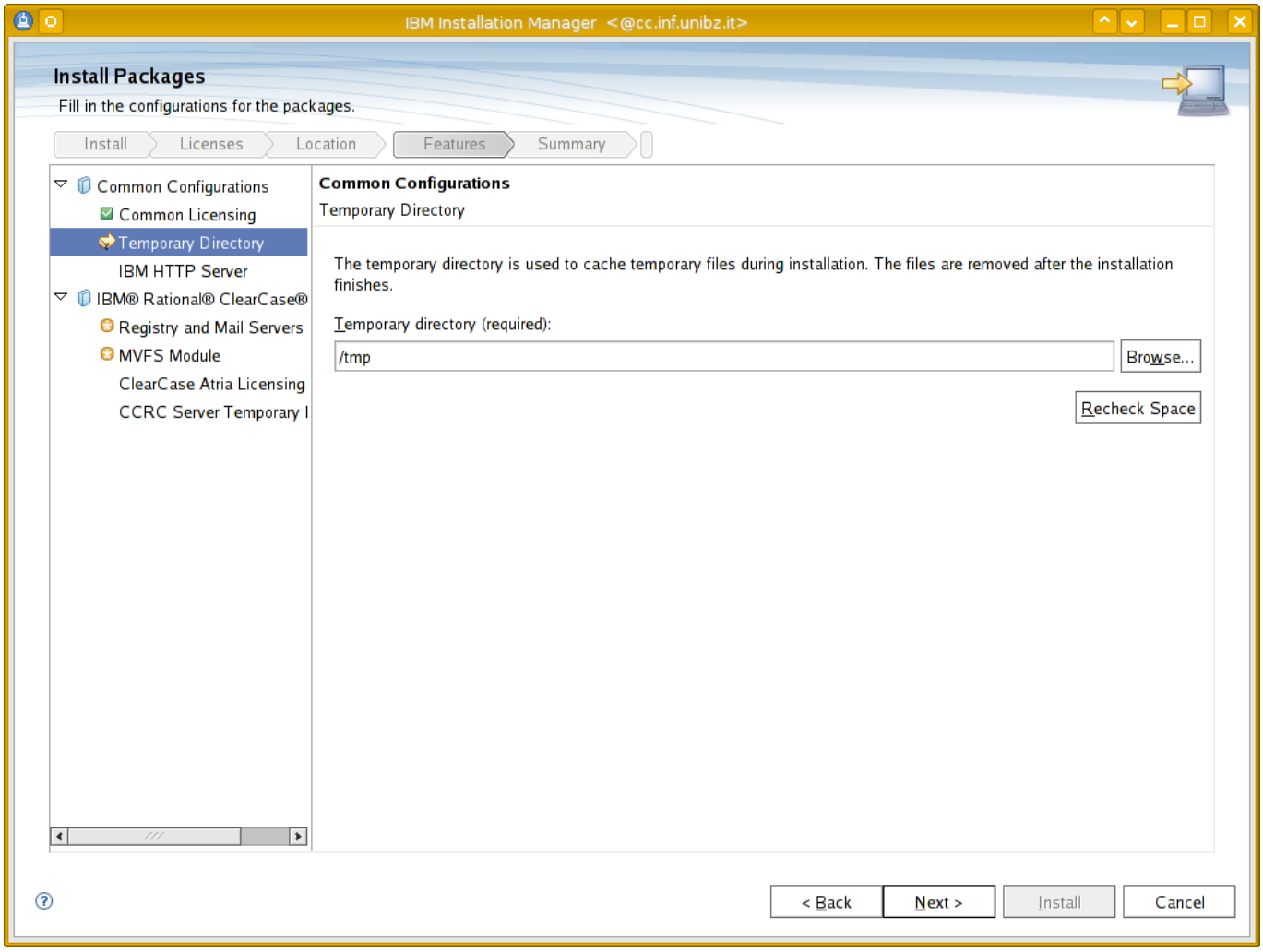
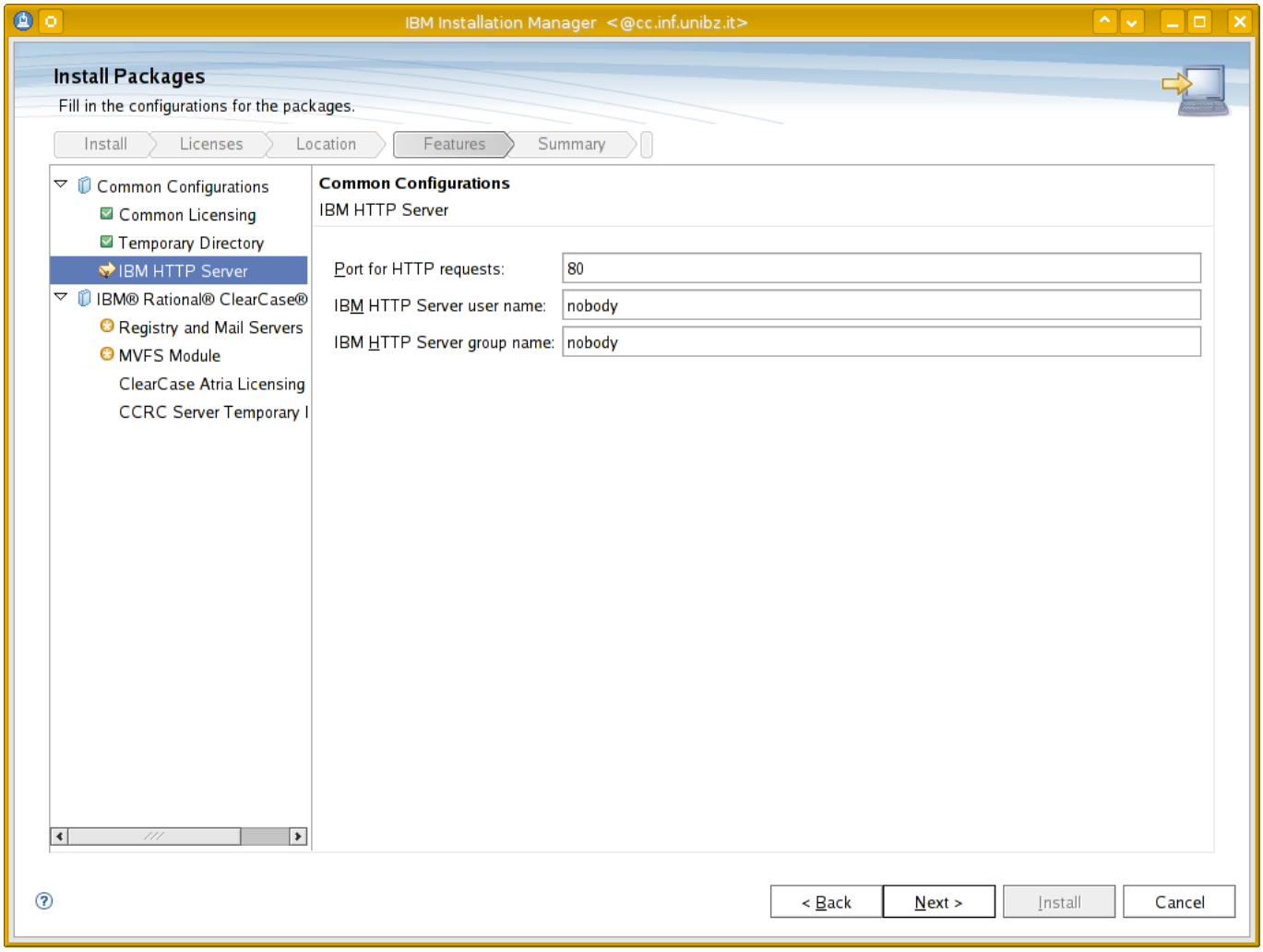
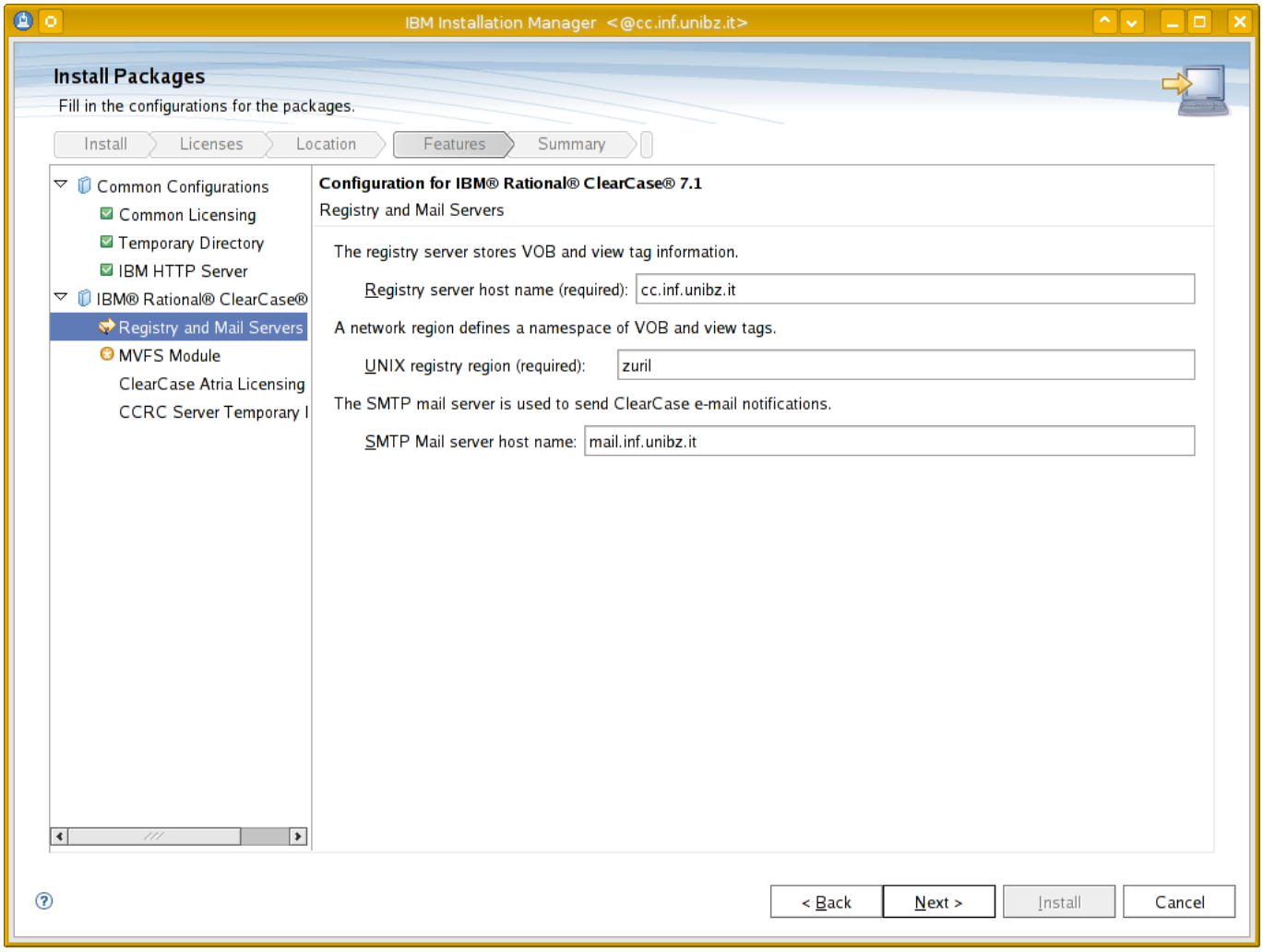
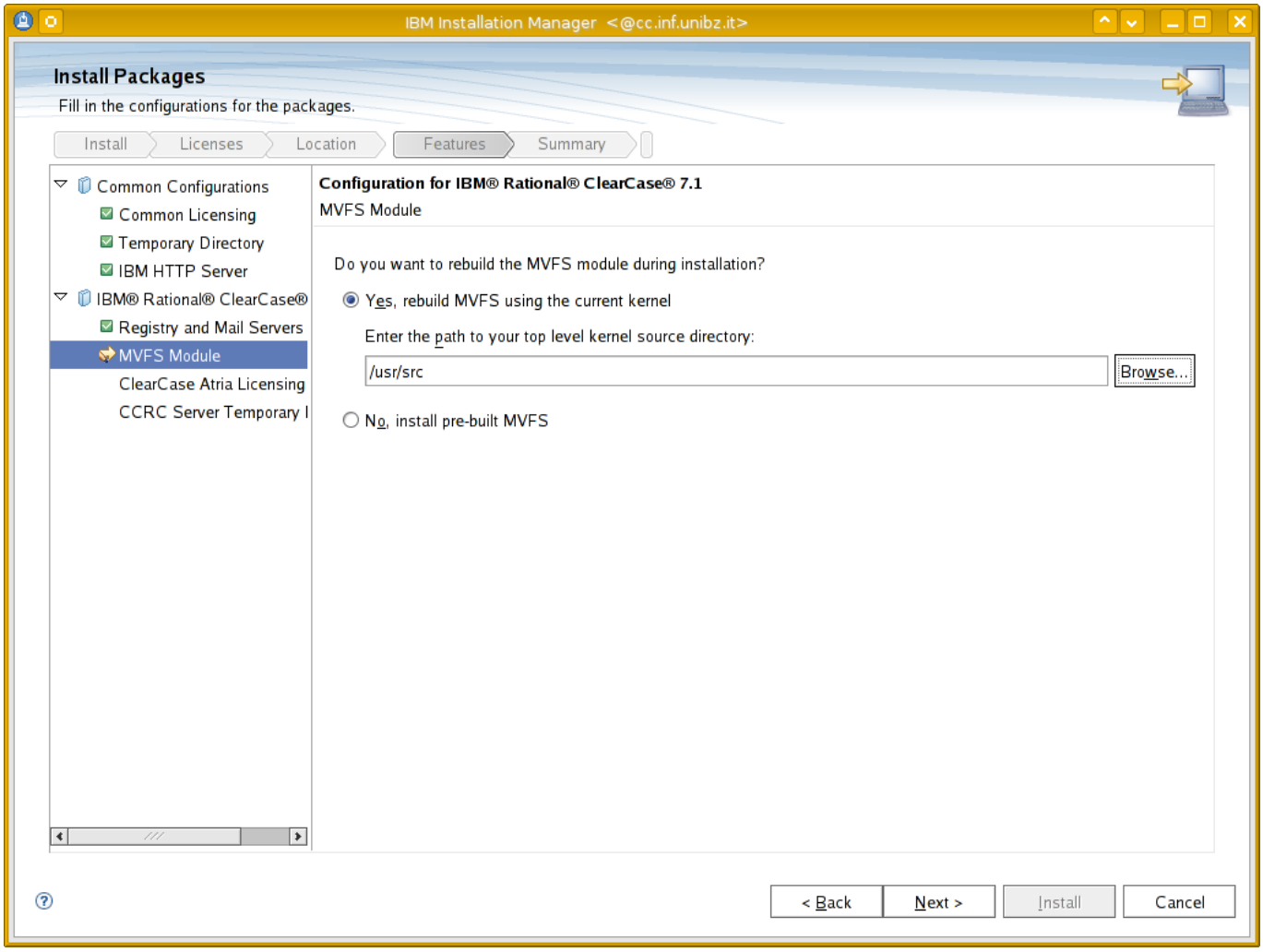
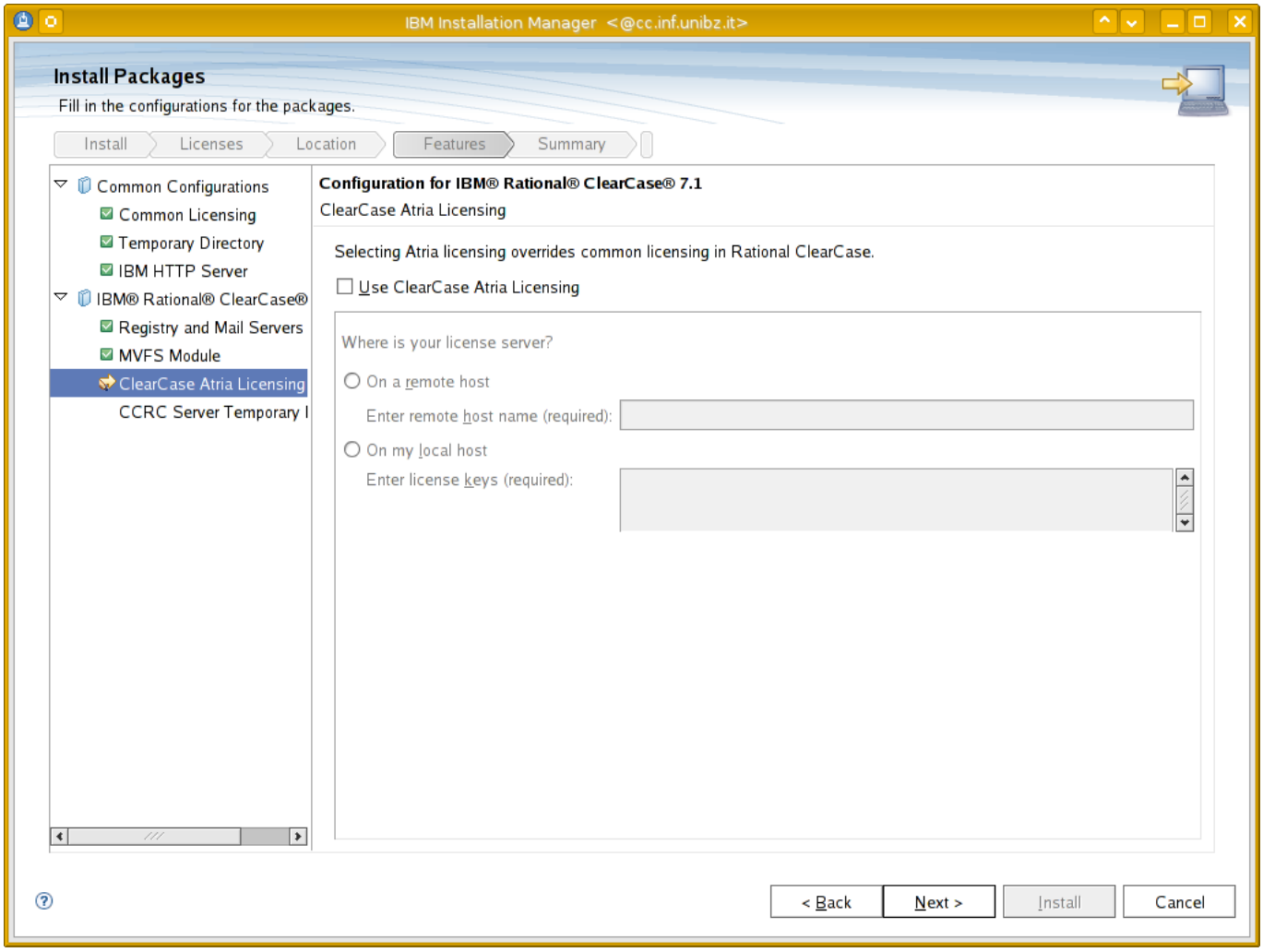
Example:
27000@ss1;27000@ss2;27000@rs1,27000@rs2,27000@rs3;27000@ss3
License server elements:
27001@license.inf.unibz.it
< Back
Next >
Install
Cancel

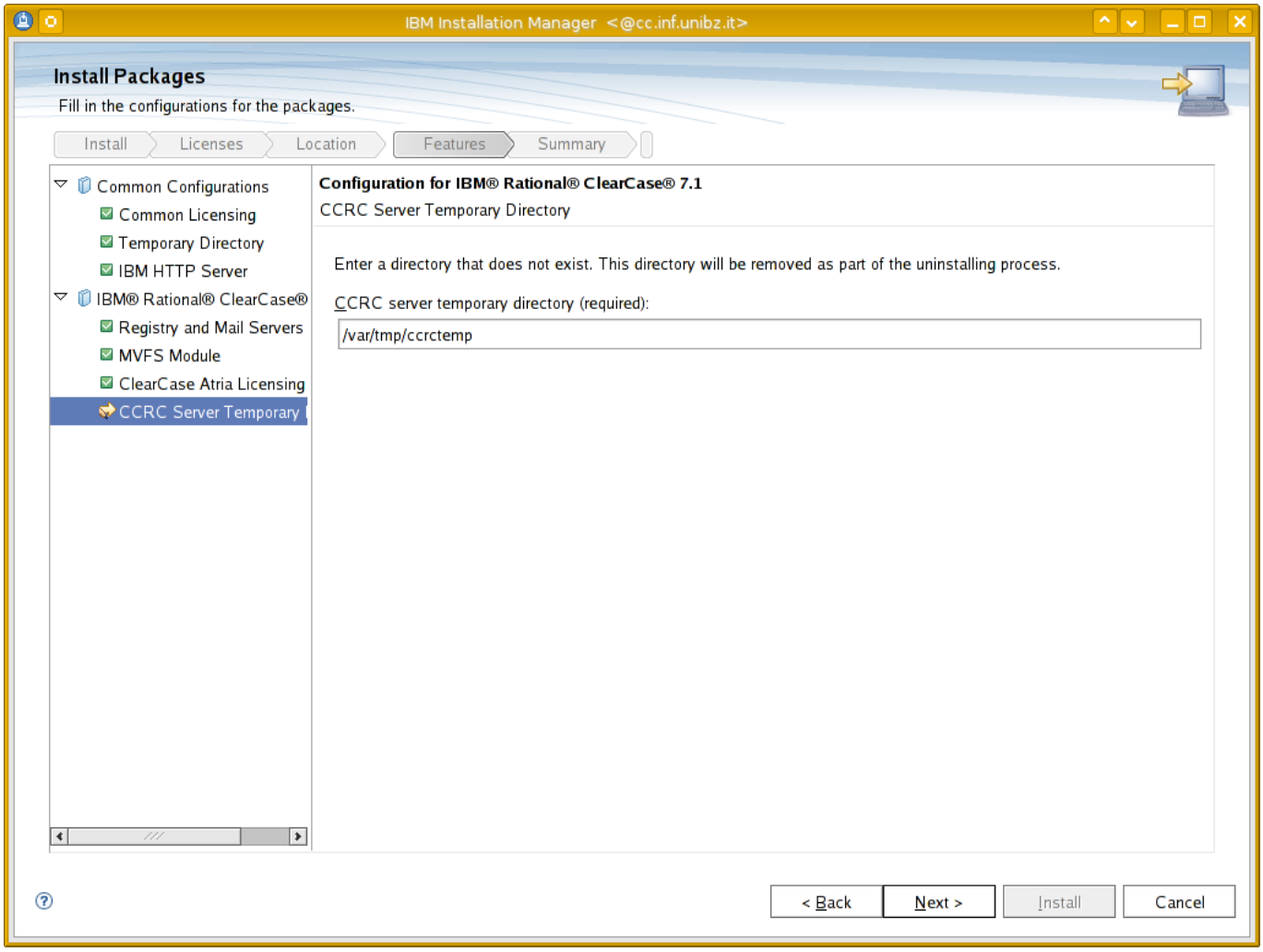

IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Common Configurations
Temporary Directory
The temporary directory is used to cache temporary files during installation. The files are removed after the installation finishes.
Temporary directory (required):
/tmp
Browse...
Recheck Space
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Common Configurations
IBM HTTP Server
Port for HTTP requests:
80
IBM HTTP Server user name:
nobody
IBM HTTP Server group name:
nobody
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Configuration for IBM® Rational® ClearCase® 7.1
Registry and Mail Servers
The registry server stores VOB and view tag information.
Registry server host name (required): cc.inf.unibz.it
A network region defines a namespace of VOB and view tags.
UNIX registry region (required): zuril
The SMTP mail server is used to send ClearCase e-mail notifications.
SMTP Mail server host name: mail.inf.unibz.it
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Configuration for IBM® Rational® ClearCase® 7.1
MVFS Module
Do you want to rebuild the MVFS module during installation?
Yes, rebuild MVFS using the current kernel
Enter the path to your top level kernel source directory:
/usr/src
Browse...
No, install pre-built MVFS
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
Location
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary I
Configuration for IBM® Rational® ClearCase® 7.1
ClearCase Atria Licensing
Selecting Atria licensing overrides common licensing in Rational ClearCase.
Use ClearCase Atria Licensing
Where is your license server?
On a remote host
Enter remote host name (required):
On my local host
Enter license keys (required):
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Fill in the configurations for the packages.
Install
Licenses
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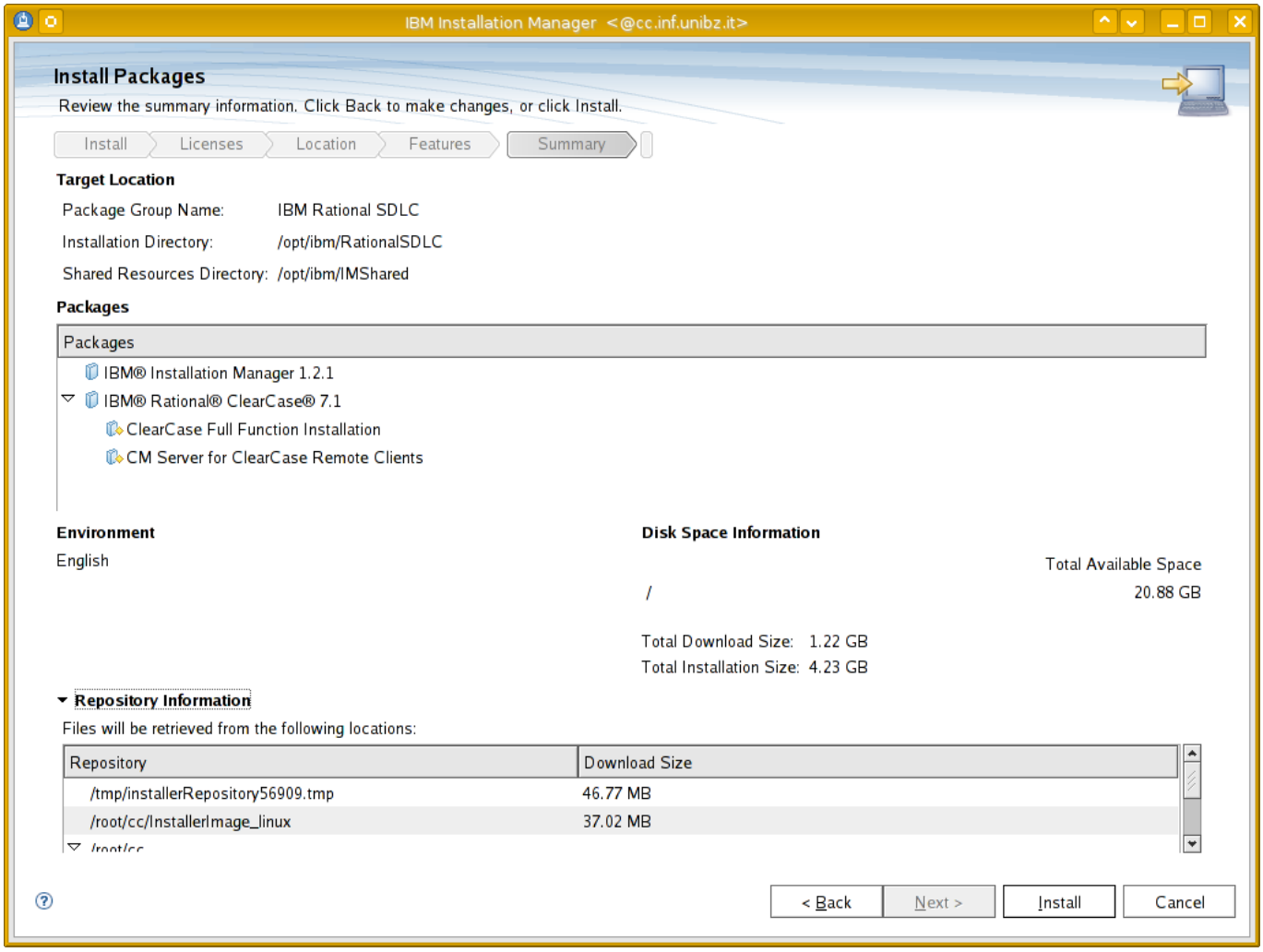
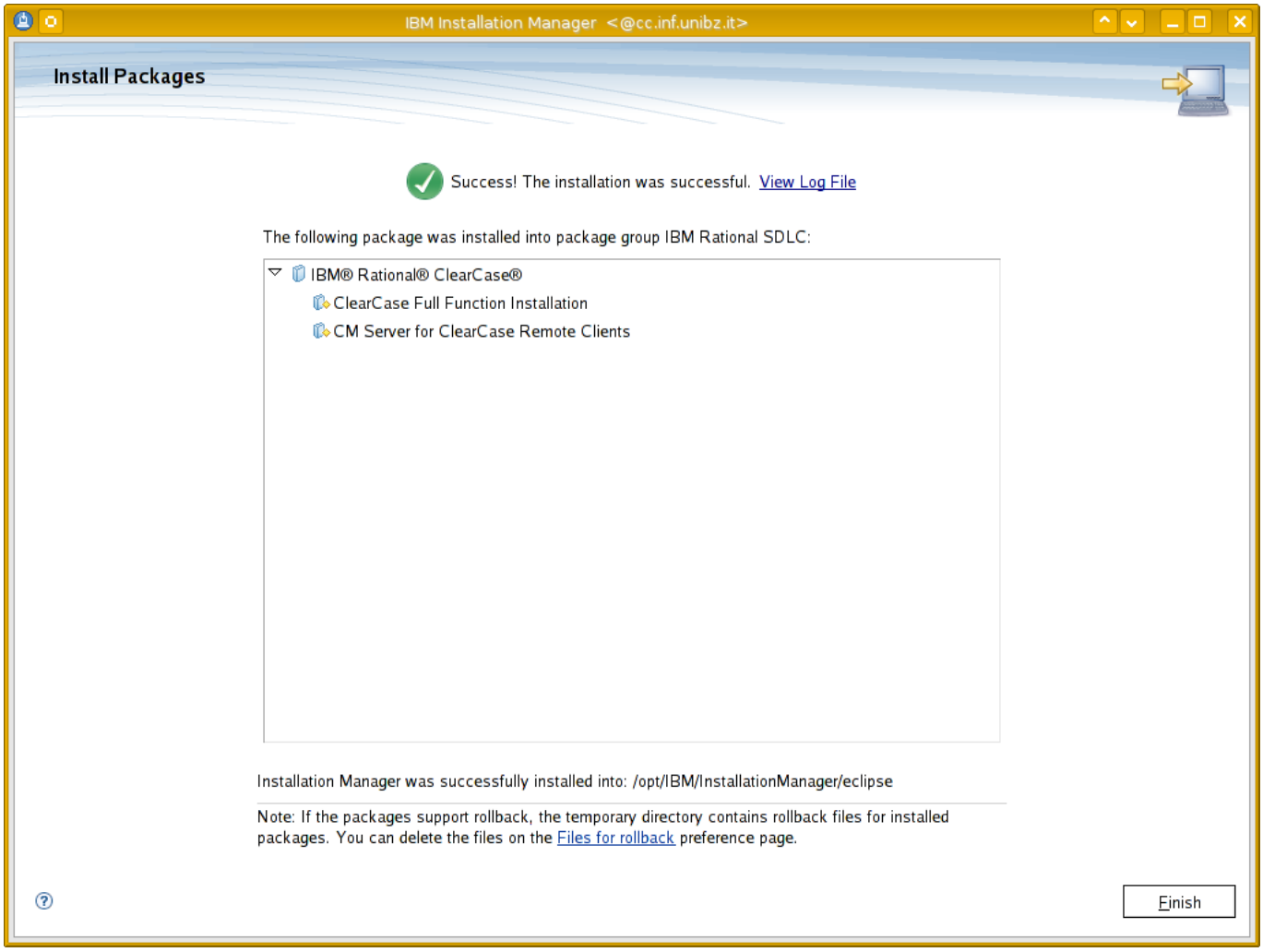
Features
Summary
Common Configurations
Common Licensing
Temporary Directory
IBM HTTP Server
IBM® Rational® ClearCase®
Registry and Mail Servers
MVFS Module
ClearCase Atria Licensing
CCRC Server Temporary
Configuration for IBM® Rational® ClearCase® 7.1
CCRC Server Temporary Directory
Enter a directory that does not exist. This directory will be removed as part of the uninstalling process.
CCRC server temporary directory (required):
/var/tmp/ccrctemp
< Back
Next >
Install
Cancel


IBM Installation Manager <@cc.inf.unibz.it>
Install Packages
Review the summary information. Click Back to make changes, or click Install.
Install
Licenses
Location
Features
Summary
Target Location
Package Group Name: IBM Rational SDLC
Installation Directory: /opt/ibm/RationalSDLC
Shared Resources Directory: /opt/ibm/IMShared
Packages
Packages
IBM® Installation Manager 1.2.1
IBM® Rational® ClearCase® 7.1
ClearCase Full Function Installation
CM Server for ClearCase Remote Clients
Environment
English
Disk Space Information
Total Available Space
/
20.88 GB
Total Download Size: 1.22 GB
Total Installation Size: 4.23 GB
Repository Information
Files will be retrieved from the following locations:
Repository
Download Size
/tmp/installerRepository56909.tmp
46.77 MB
/root/cc/InstallerImage_linux
37.02 MB
< Back
Next >
Install
Cancel



Post Installation

```
rm /var/adm/rational/clearcase/no_mvfs_tag
```

Status/Stop/Start/Restart ClearCase

```
/usr/atria/etc/atria_start status|stop|start|restart
```

Update/Modify Installation

To update or modify launch the Installation Manager

```
/opt/IBM/InstallationManager/eclipse/launcher
```

Rebuild the MVFS without reinstalling Rational ClearCase

Run the command:

```
cd /var/adm/rational/clearcase/mvfs/mvfs_src
```

Clean up the results of previous builds:

```
make clean
```

Build the MVFS modules:

```
make
```

You will be prompted for the path to the Linux kernel source directory. The default prompt is /lib/modules/`uname -r`/build.

Install the newly built MVFS modules into the proper directory under /lib/modules, so that the MVFS modules will be loaded into the kernel when Rational ClearCase starts:

```
make install
```

Restart Rational ClearCase.

```
/opt/rational/clearcase/etc/clearcase stop
/opt/rational/clearcase/etc/clearcase start
```

After the installation process has completed, test that Rational ClearCase has been properly installed by running the cleartool -version command. You should see output indicating the version of MVFS that has been installed, as in the following example.

```
/opt/rational/clearcase/bin/cleartool -version
```

```
ClearCase version 7.1.1.1 (Wed Mar 31 15:49:36 EDT 2010)
(7.1.1.01.00_2010A.D100330)
@(#) MVFS version 7.1.1.1 (Thu Feb 25 07:15:14 2010) built at $Date:
2010-07-05.12:00:58 (UTC) $
cleartool                          7.1.1.1 (Fri Feb 26 23:24:30 2010)
db_server                          7.1.1.1 (Thu Feb 25 08:15:16 2010)
VOB database schema version: 54
```

Install Clearcase Client 7.1 Linux (Redhat)

Build kernel module from source

Get mvfs source from e.g. Clearcase Server

```
scp -r /var/adm/rational/clearcase/mvfs/mvfs_src/ root@clearcase-client:/var/adm/rational/clearcase/mvfs/
```

Install kernel source

```
up2date --get-source kernel
```

Read through how to compile kernel module:

```
more /var/adm/rational/clearcase/mvfs/mvfs_src/README.txt
```

Eclipse Clearcase Client

Using Eclipse with Clearcase Client plugin

- Download eclipse from http://www.eclipse.org
- Add New Software: http://www3.software.ibm.com/ibmdl/pub/software/rationalsdp/clearcase/ccrc/701/update/

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Permanent link:
https://wiki.inf.unibz.it/doku.php?id=public:install_clearcase_7.1_linux_redhat

Last update: **2019/01/16 10:03**