

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
```

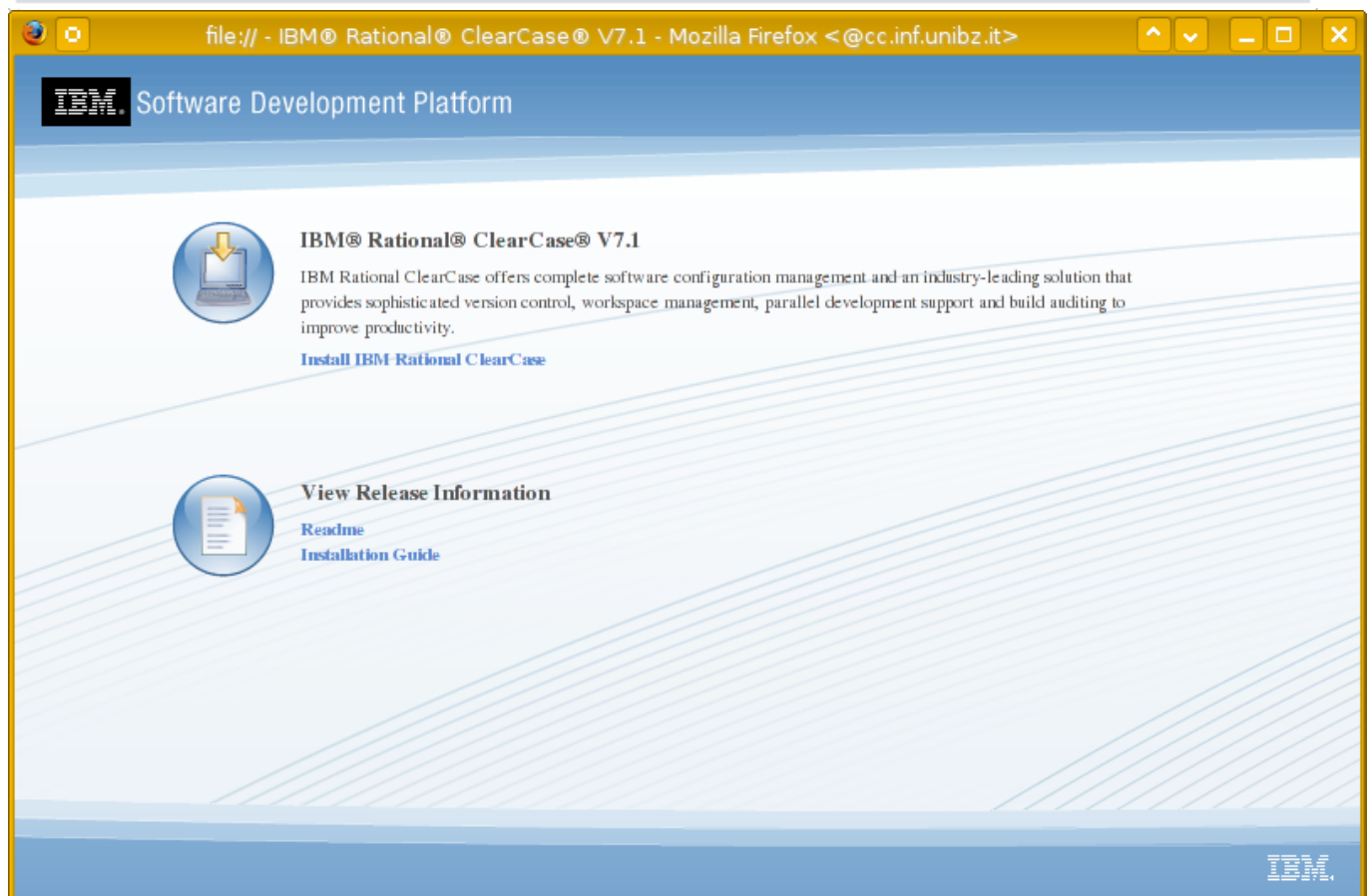
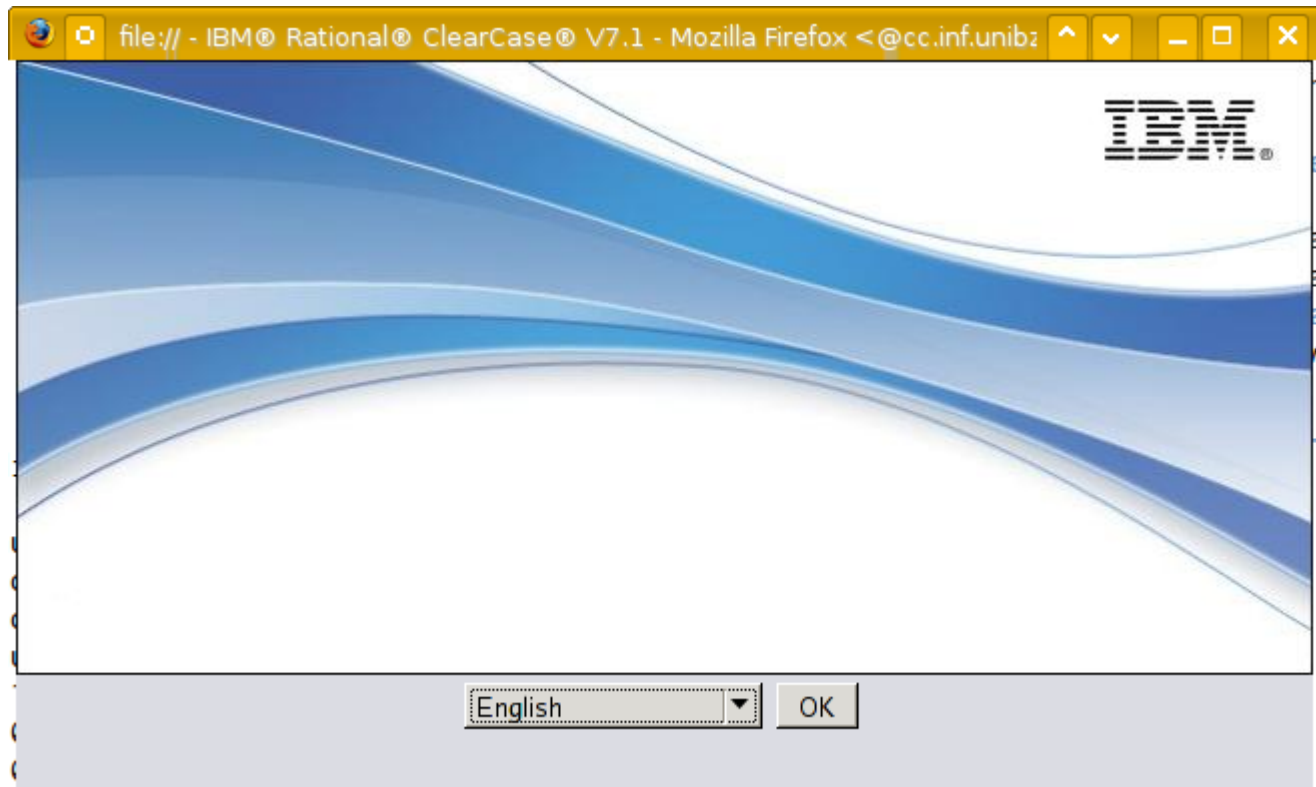
To allow mvfs to work ok!

```
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
<div>IBM® Installation Manager</div> <div><div>Version 1.2.1</div></div>		IBM	No key required
<div>IBM® Rational® ClearCase®</div> <div><div>Version 7.1</div></div>		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.

InstallLicensesLocationFeaturesSummary

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.

2. Except as provided in item 1 above, IBM's entire liability for actual damages for any one Default will not in any event exceed the greater of 1) EUR 125,000, or 2) 125 percent of the amount You paid for the Program directly relating to the Default. These limits also apply to any of IBM's suppliers and Program developers. They state the maximum for which IBM and such suppliers and Program developers are collectively responsible.

Items for Which IBM is Not Liable

Save with respect to any liability referred to in item 1 above, under no circumstances is IBM or any of its suppliers or Program developers liable for any of the following, even if IBM or they were informed of the possibility of such losses:

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

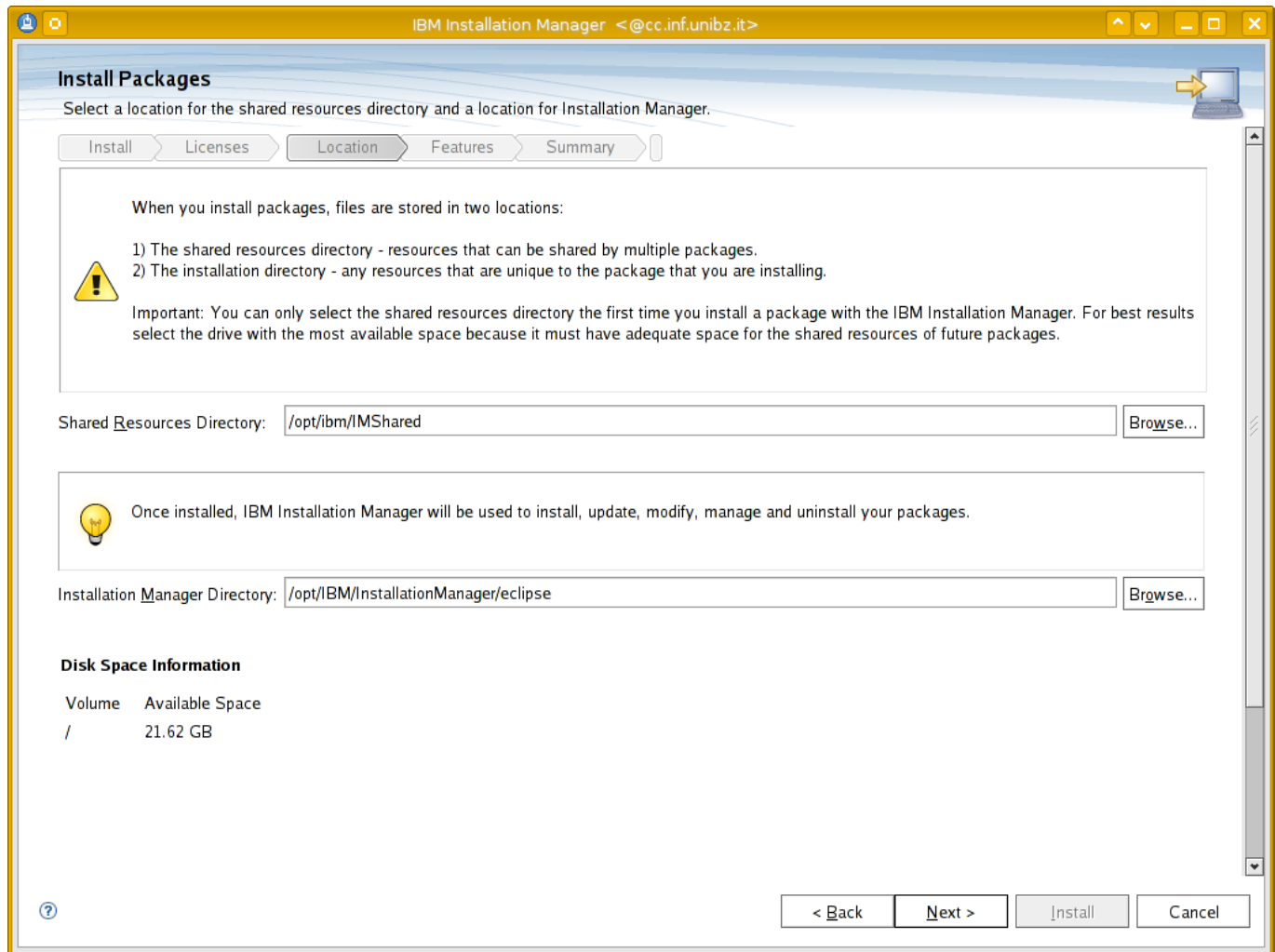
Next >

Install

Cancel

https://wiki.inf.unibz.it/

Printed on 2024/04/27 11:28



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

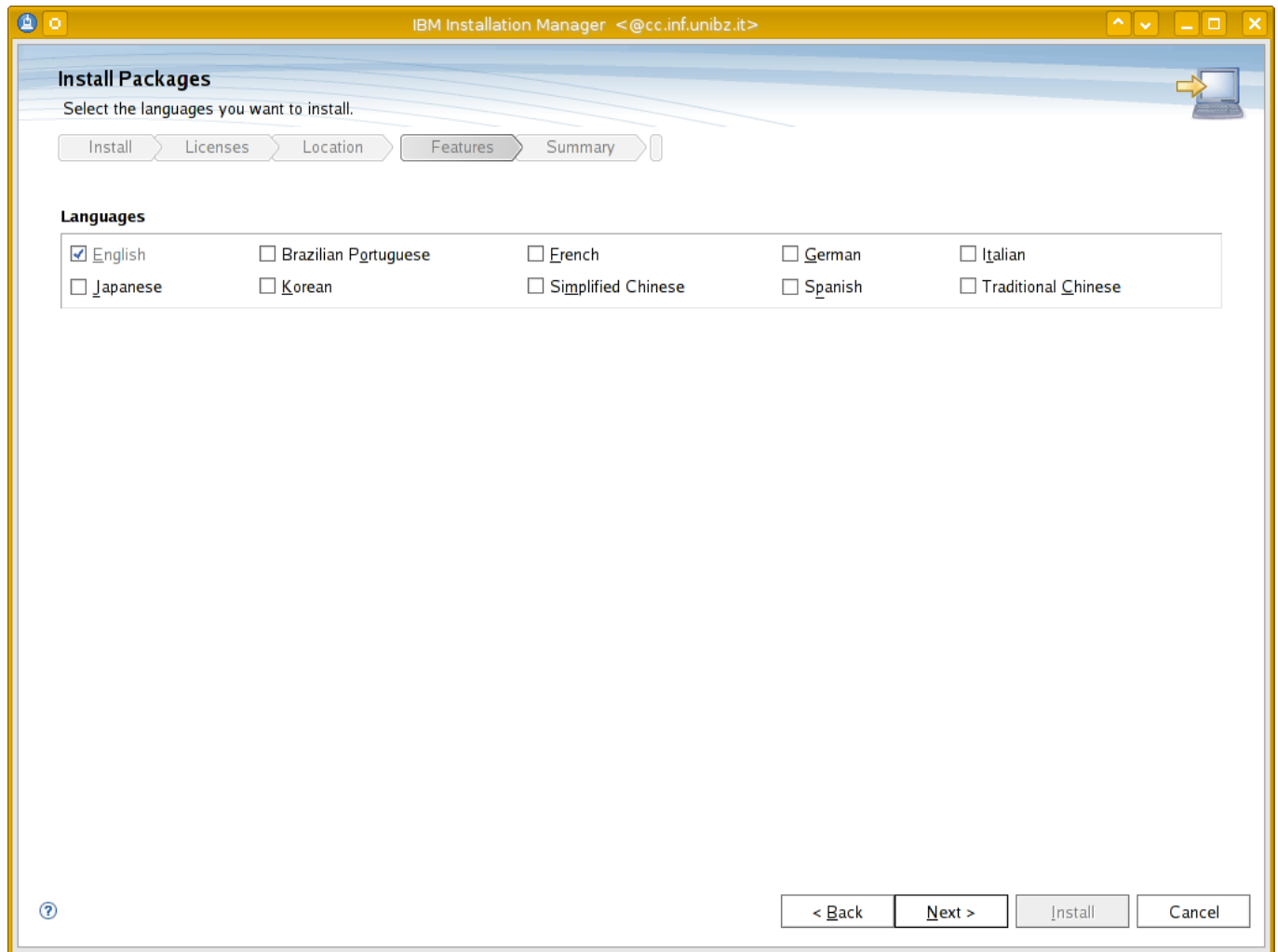
?

< Back

Next >

Install

Cancel



IBM Installation Manager <@cc.inf.unibz.it>

Install Packages

Select the 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

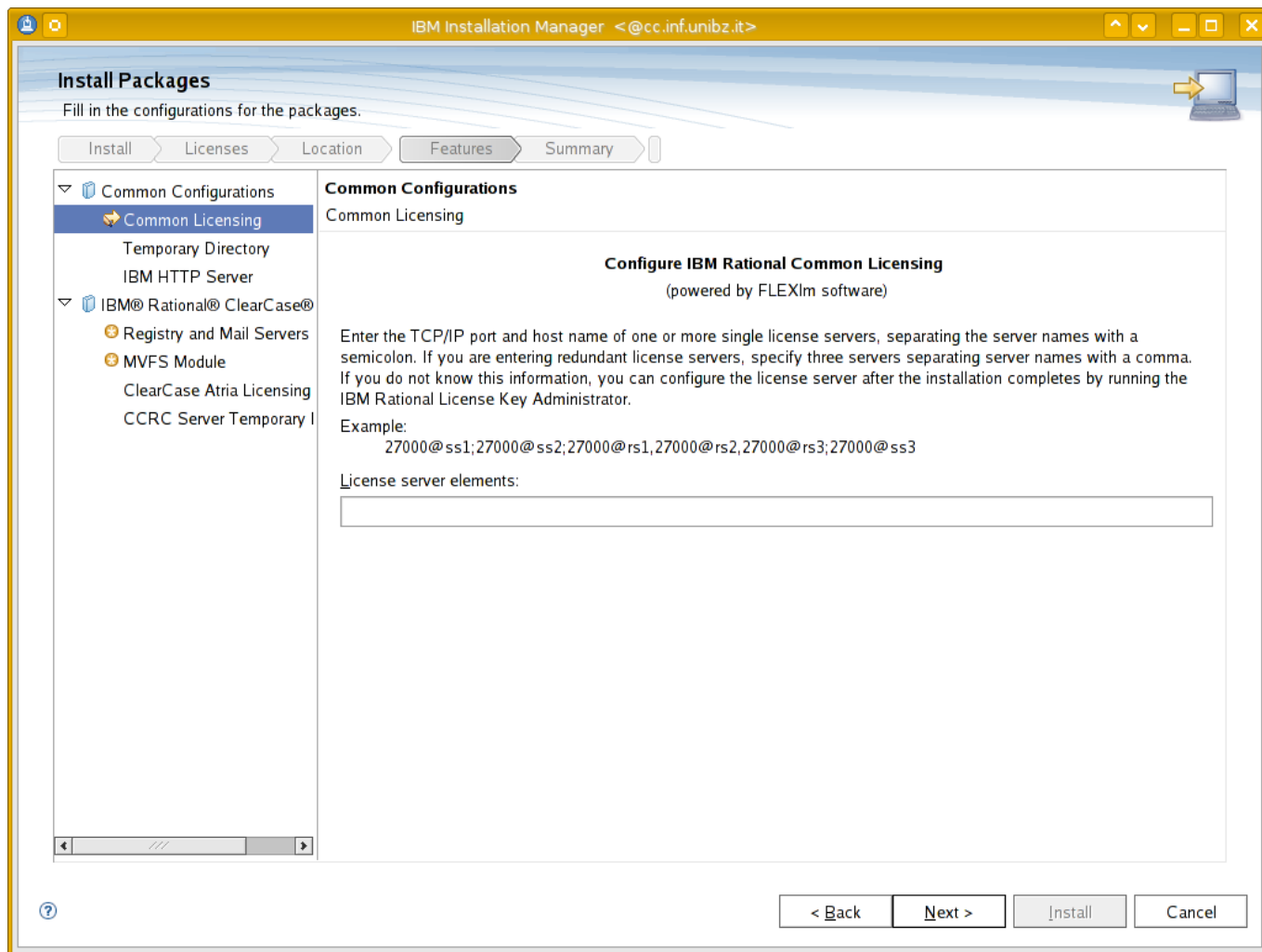
?

< Back

Next >

Install

Cancel



IBM Installation Manager <@cc.inf.unibz.it>

Install Packages

Fill in the configurations for the packages.

InstallLicensesLocationFeaturesSummary

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.

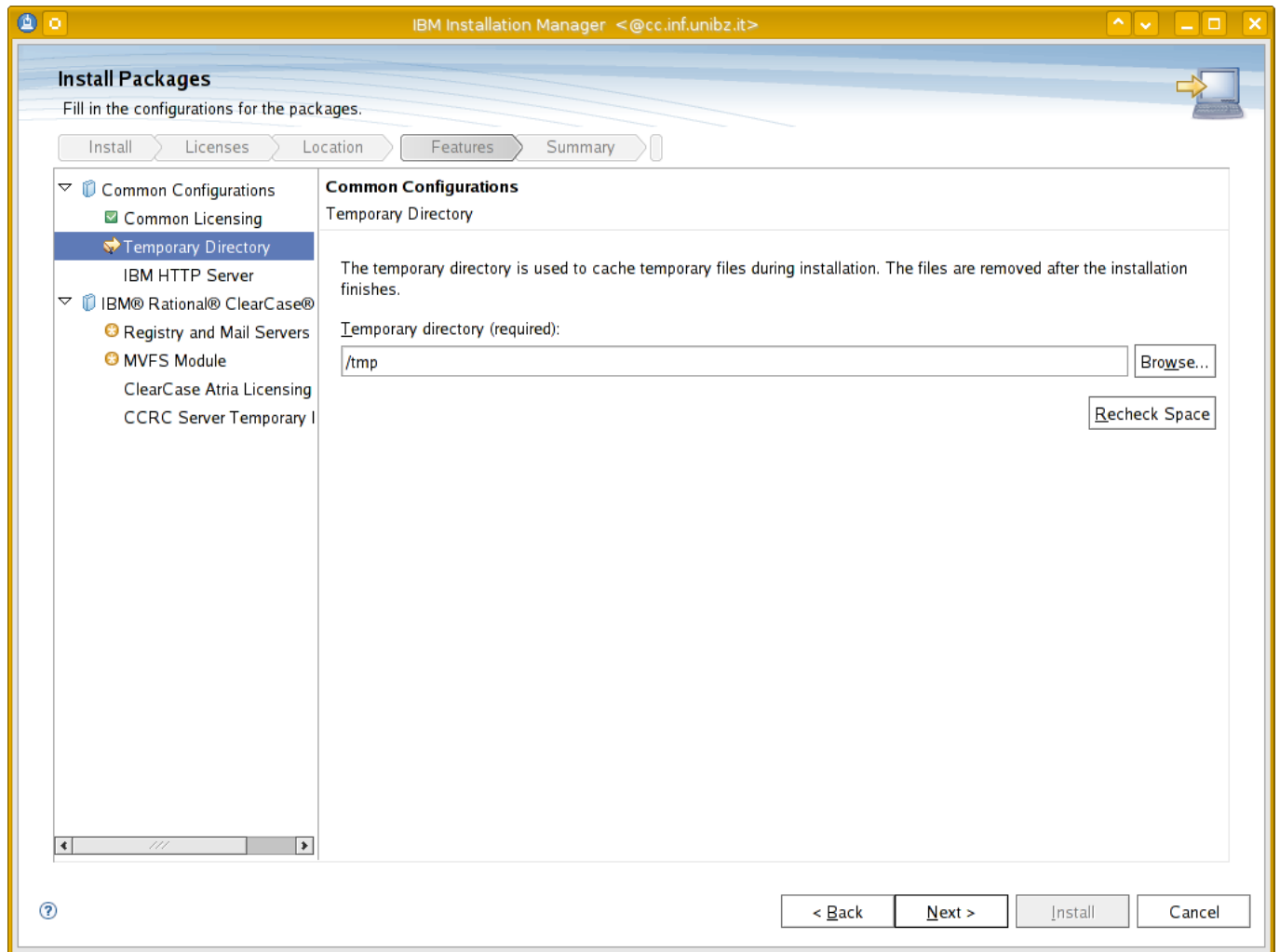
Example:
27000@ss1;27000@ss2;27000@rs1,27000@rs2,27000@rs3;27000@ss3

License server elements:

27001@license.inf.unibz.it

27001@license.inf.unibz.it

BackNext >InstallCancel



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

<https://wiki.inf.unibz.it/>

Printed on 2024/04/27 11:28

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):

A network region defines a namespace of VOB and view tags.

UNIX registry region (required):

The SMTP mail server is used to send ClearCase e-mail notifications.

SMTP Mail server host name:

< 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

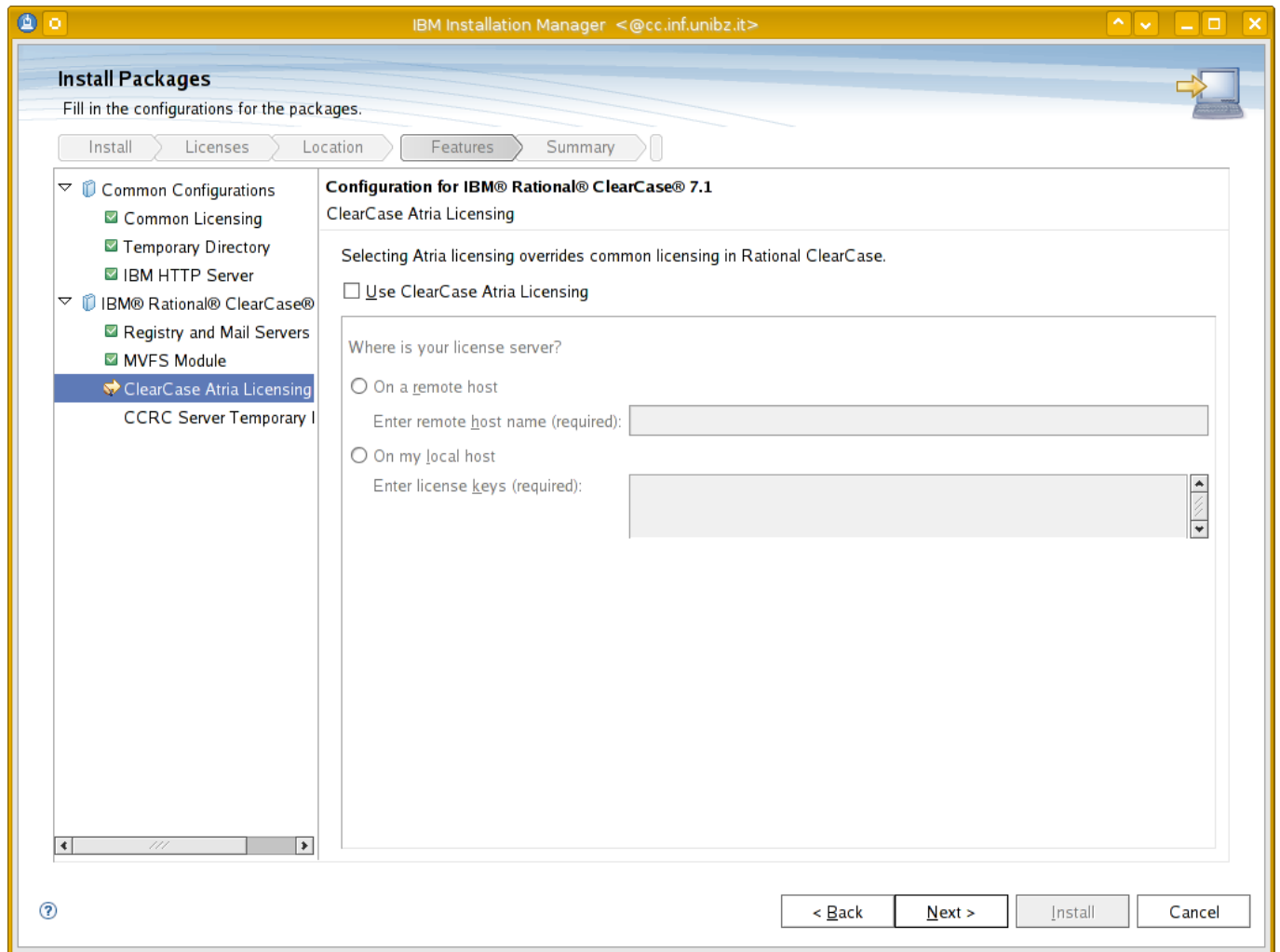
Next >

Install

Cancel

<https://wiki.inf.unibz.it/>

Printed on 2024/04/27 11:28



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

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):

Help

< Back

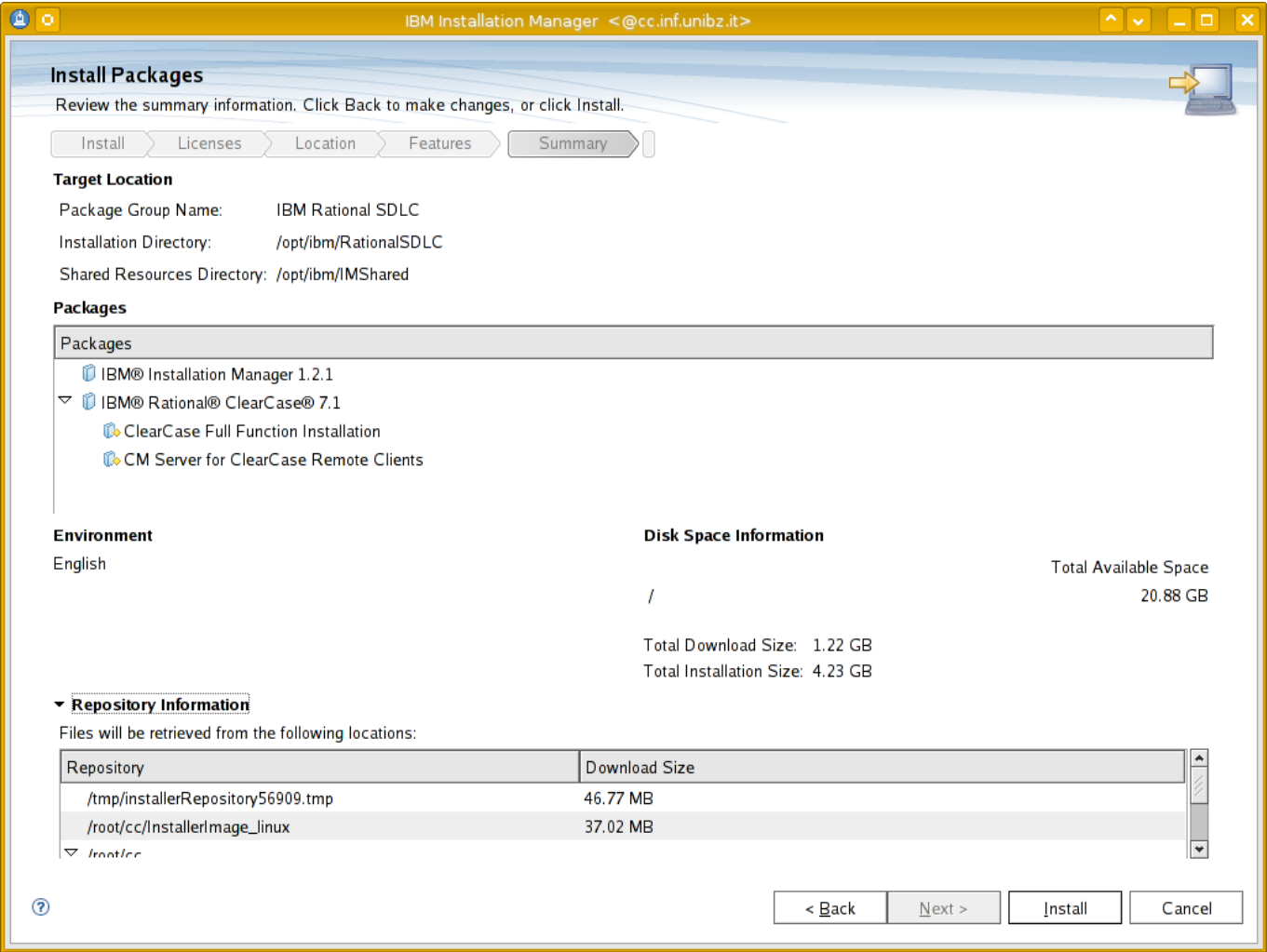
Next >

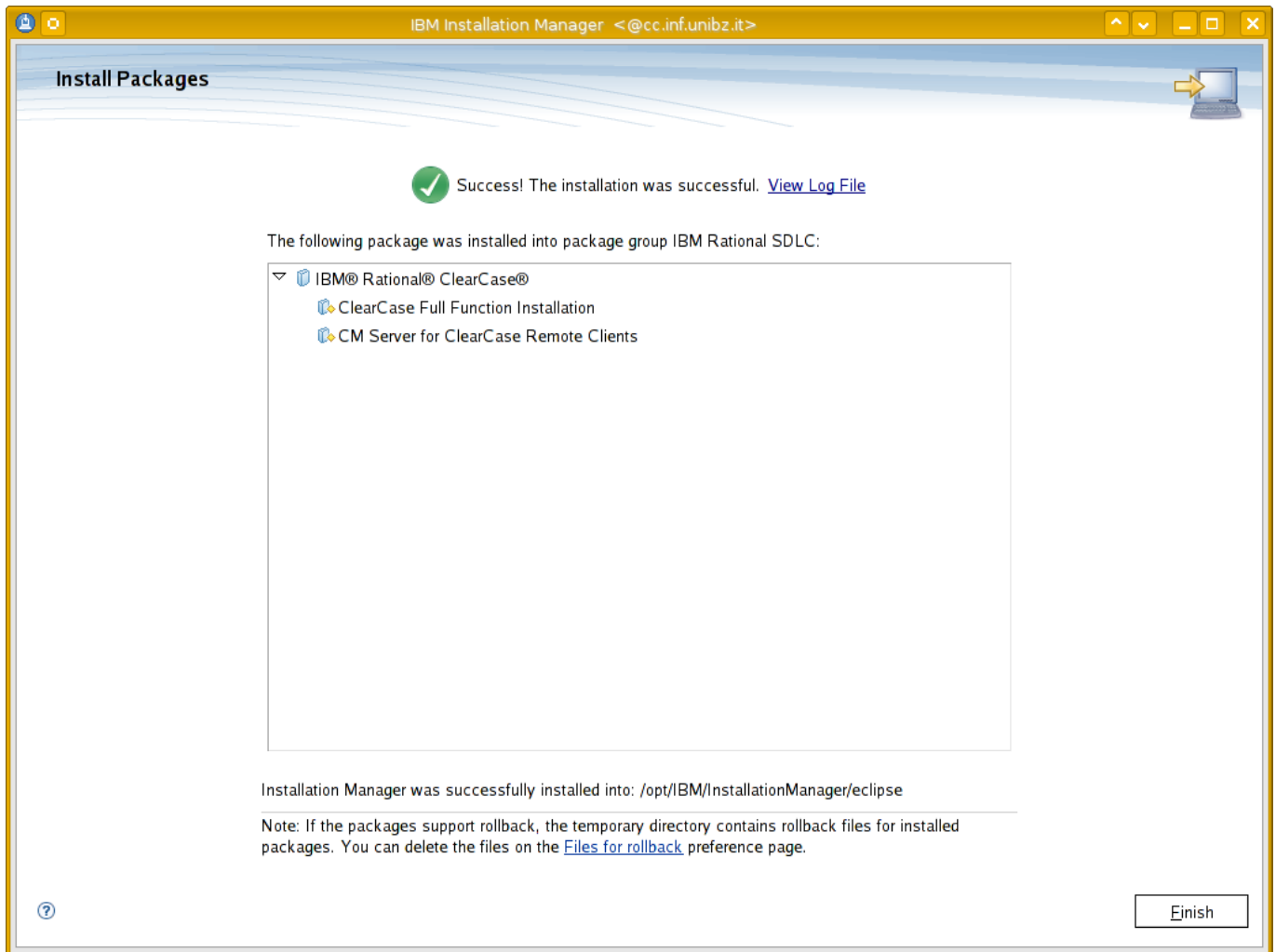
Install

Cancel

<https://wiki.inf.unibz.it/>

Printed on 2024/04/27 11:28





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/>

From:

<https://wiki.inf.unibz.it/> - **Engineering-Tech Wiki**

Permanent link:

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

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

