Installing HIPE

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A Warning!!

- **HIPE is a big package:**
  - 88 342 files, arranged in
  - 1938 folders
  - 1.5 GB (some small flavour differences)
  - Minimum 2GB RAM is currently required to install
    - For many operations 4GB, or even 8GB is required and large scan maps may require as much as 64GB.
    - You can never have too much RAM.
  - Use a fast Internet connection to download
    - Be patient! It can take a long time to download and install.

- **Download is highly platform dependent**
  - Windows and Mac follow essentially identical download procedures. Linux is "sui generis".
  - But Windows takes much longer to install and uninstall than Mac or Linux, due to operating system differences.

What Operating System do I Need?

- **HIPE is supported on the three main operating systems**
  - **Windows XP**
  - **Linux + Red Hat Enterprise 4**
  - **Mac (10.5 Leopard, 64 bit only)**
- **What about Windows Vista?**
  - **We have had problems with Vista because the InstallAnywhere installer software used by the HSC fails with Vista.**
  - **With Vista Service Pack 1 available and stability in the Vista platform, these problems should be solved soon.**
    - **We do have an experimental installer that works with Vista, although it is not ready for public release yet.**

What Else do I Need?

- **HIPE is memory intensive: >1GB of RAM is essential.**
  - While HIPE should install on computers with 2GB of RAM, it is very dependent on how memory is managed.
  - On some Windows computers it may not be possible to run HIPE even with 2GB of memory if memory is allocated to other processes.

- **An up to date browser:**
  - Internet Explorer 6, or later
  - Mozilla 1.5, or later
  - Safari (with Mac or Windows)
  - SeaMonkey

- **Installation will fail if Java 1.6 is not installed.**

- **HSC is moving rapidly from 32-bit to 64-bit architecture in line with the transition in the IT industry.**
  - On Mac, Java 1.6 only exists for a 64-bit dual core.

How do I get to HIPE?

- **When HIPE is formally released, download will be similar to HSpot from the HSC web page, listed by operating system.**

A Question of Flavour…

Download the offline installer for HIPE

See the instructions below for installing on the different operating systems.

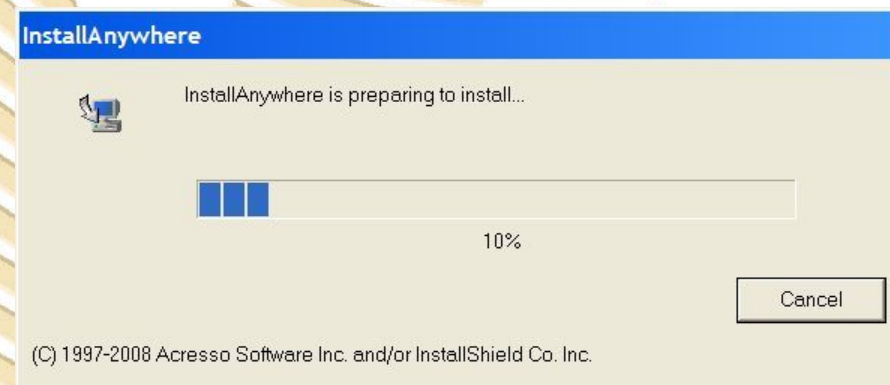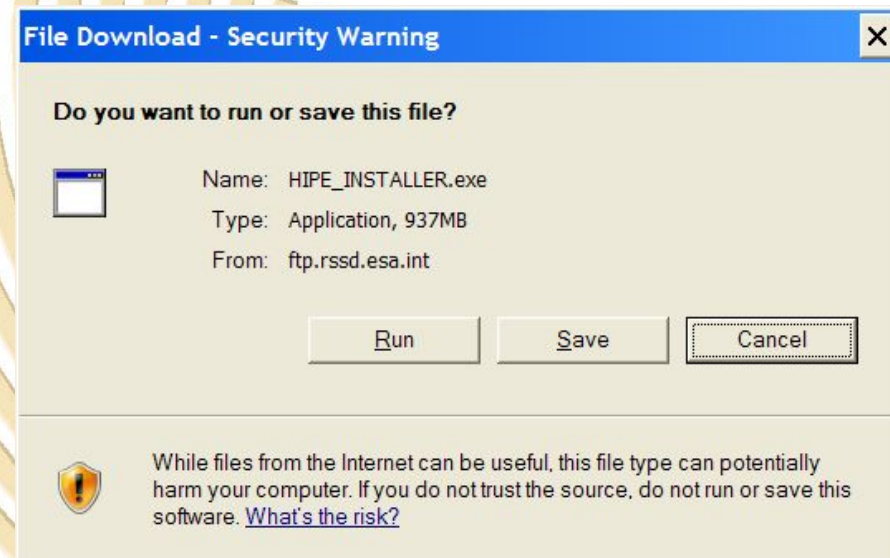| Platform	With Java 32bit VM	With Java 64bit VM	Without Java VM	Instructions
Windows	Download 0.6.7.1	Not Available	Download 0.6.7.1	View
MacOSX	Not available	Not available	Download 0.6.7.1	View
Linux	Download 0.6.7.1	Download 0.6.7.1	Download 0.6.7.1	View

- **HIPE comes with or without JRE (Java Runtime Environment) packaged, so you should choose both the Platform that you need and whether or not you require Java VM.**

- **Unless you are certain that you have JRE already installed, you should choose the Java VM option.**

Windows and Mac Download

- **The download and unpacking process is very similar.**
- **Once you have decided the Platform and Version, required, click on it to download.**
- **Windows will request confirmation (right)**
  - **Choose "Run"**
- **Mac will download immediately, without requesting confirmation.**
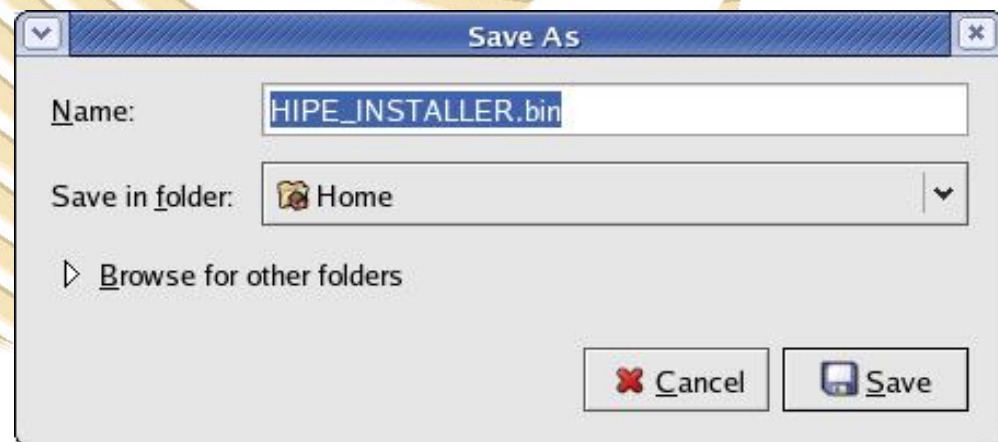- **Both Platforms will then unpack automatically when the download ends.**

File Download - Security Warning

Do you want to run or save this file?

> Name: HIPE_INSTALLER.exe
> Type: Application, 937MB
> From: ftp.rssd.esa.int

[Run] [Save] [Cancel]

While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

InstallAnywhere

InstallAnywhere is preparing to install...

10%

[Cancel]

(C) 1997-2008 Acresso Software Inc. and/or InstallShield Co. Inc.
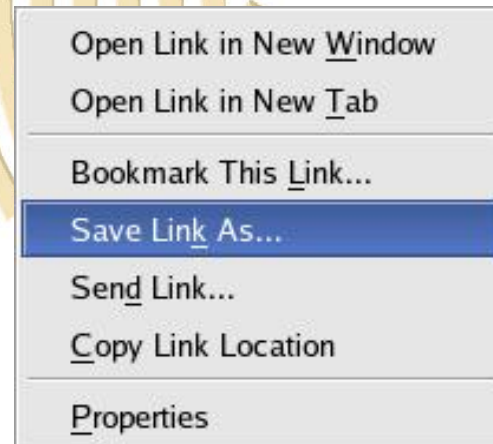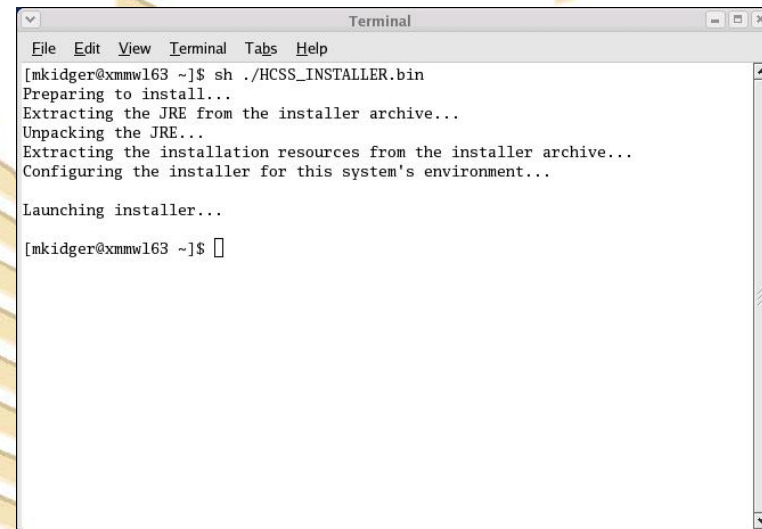
Linux

- **For Linux, the download process is quite different.**

- **You must right click on the version that you want to download and install and select "Save Link As…"**

- **Then you should select the directory that the installer should be downloaded to.**

Open Link in New Window

Open Link in New Tab

Bookmark This Link…

Save Link As…

Send Link…

Copy Link Location

Properties

Save As

Name: HIPE_INSTALLER.bin

Save in folder: Home

▷ Browse for other folders

Cancel   Save

Linux

- **The installer will download and save in your chosen directory.**

- **Once download is complete, open a terminal and, in the same directory, write**

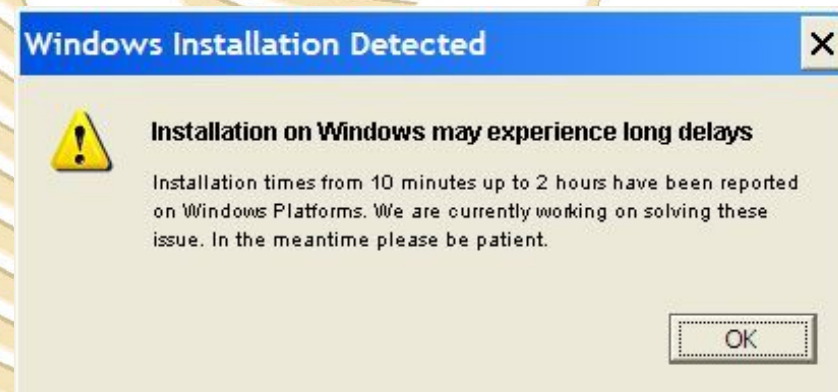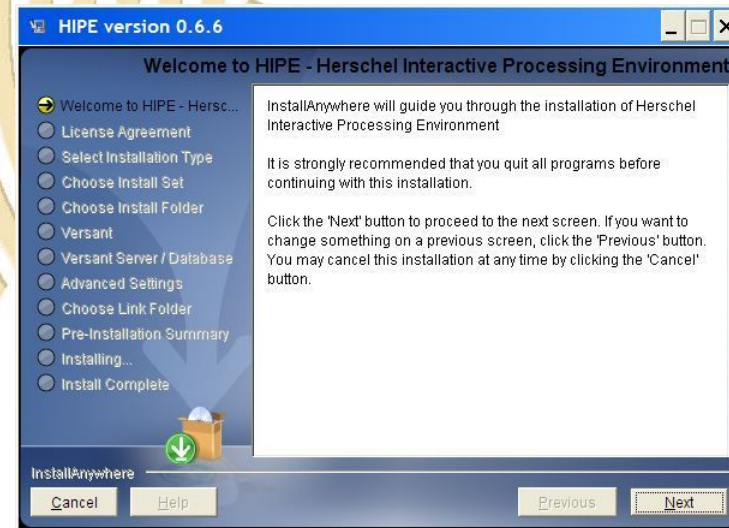- sh ./HCSS_INSTALLER.bin **and return to start the installer.**

Configuration and Installation

- **Final configuration and installation is (almost) identical for all operating systems.**

- **InstallAnywhere will guide you through the process of configuration, before waiting for confirmation of the final installation.**

- **The only (small) difference is that, if you are running Windows, a warning message will pop up.**
  - **Do not panic!**
  - **Take a deep breath.**
  - **Accept the warning.**
  - **Go and have a coffee.**

How Long Does it Take?

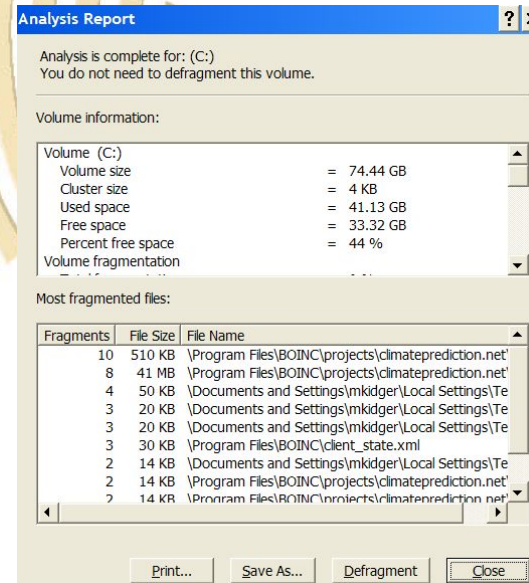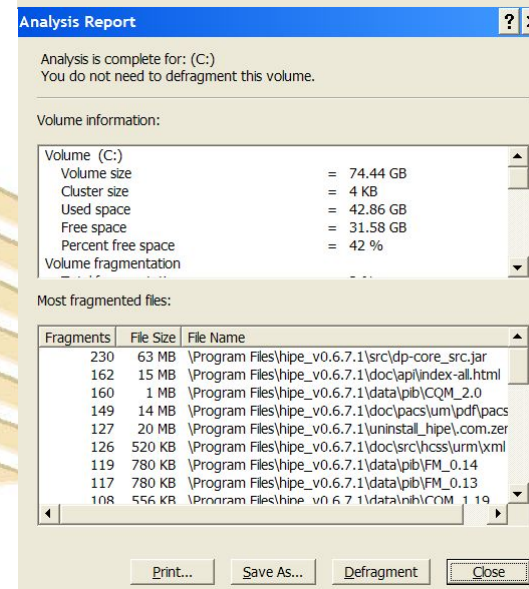| Typical time to…	Windows (>10Mb/s LAN line)	Windows (2.5 MB/s ADSL line)	Mac (>10Mb/s LAN line)	Linux (>10Mb/s LAN line)
Download	2 m	54 m	5 m	1.5 m
Unpack	1.5 m	1.5 m	<1 m	
Extract	5.5 m	11m	5.5 m	2.5 m
Configure	2 m	1 m	<1 m	0.5 m
Install	1h 20 m	1h 43m	5.5 m	11 m
Total	**1h 31m**	**2h 50m**	**12 m**	**25 m**

Why are we Waiting (for Windows)?

- **There is probably not a single explanation; it is a combination of factors:**
  - **Windows handles files rather inefficiently (important when we install >80 000).**
  - **The amount of memory that can be assigned to installation is usually limited by the system.**
  - **The virus scanner checks each file individually.**
  - **Even installing on a clean disk (above right) leads to heavy fragmentation of files (below right).**
  - **However, the DP Team is working with Macrovision on some improvements that *should* greatly alleviate this problem for users.**

Before HIPE installation

After HIPE installation

Over to Bruno to hear more about HIPE…