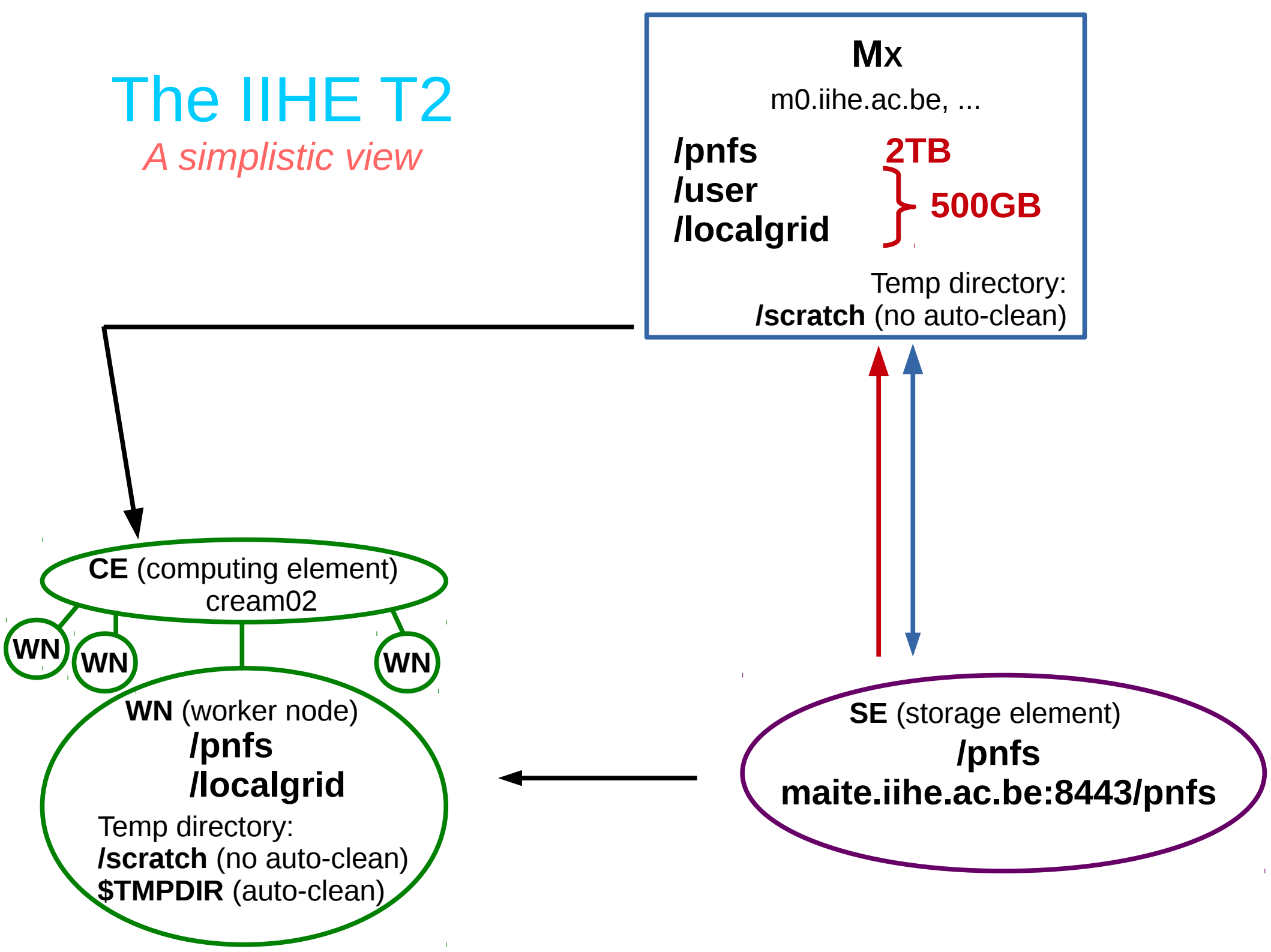


# The IIHE T2

*A simplistic view*



## Local submission

**Qsub** : `qsub -q localgrid@cream02`  
`-o script.stdout`  
`-e script.stderr`  
`[-l walltime=<HH:MM:SS>]`  
`myscript.sh`

**Home**: `/localgrid/$USER/`

or `crab ...`

**Grid submission**  
`crab`

## Mx

`m0.iihe.ac.be, ...`

**/pnfs**  
**/user**  
**/localgrid**

**2TB**  
**500GB**

Temp directory:  
**/scratch** (no auto-clean)

## Unix commands

*Read-only*

`ls` , `dccp` (pnfs to mx)

## Grid commands

*Requires certificate*

*Read/write*  
`srm` , `lcg`

**CE** (computing element)  
`cream02`

**WN**

**WN**

**WN**

**WN** (worker node)

**/pnfs**  
**/localgrid**

Temp directory:  
**/scratch** (no auto-clean)  
**\$TMPDIR** (auto-clean)

## Copy to local:

`dccp dcap://`

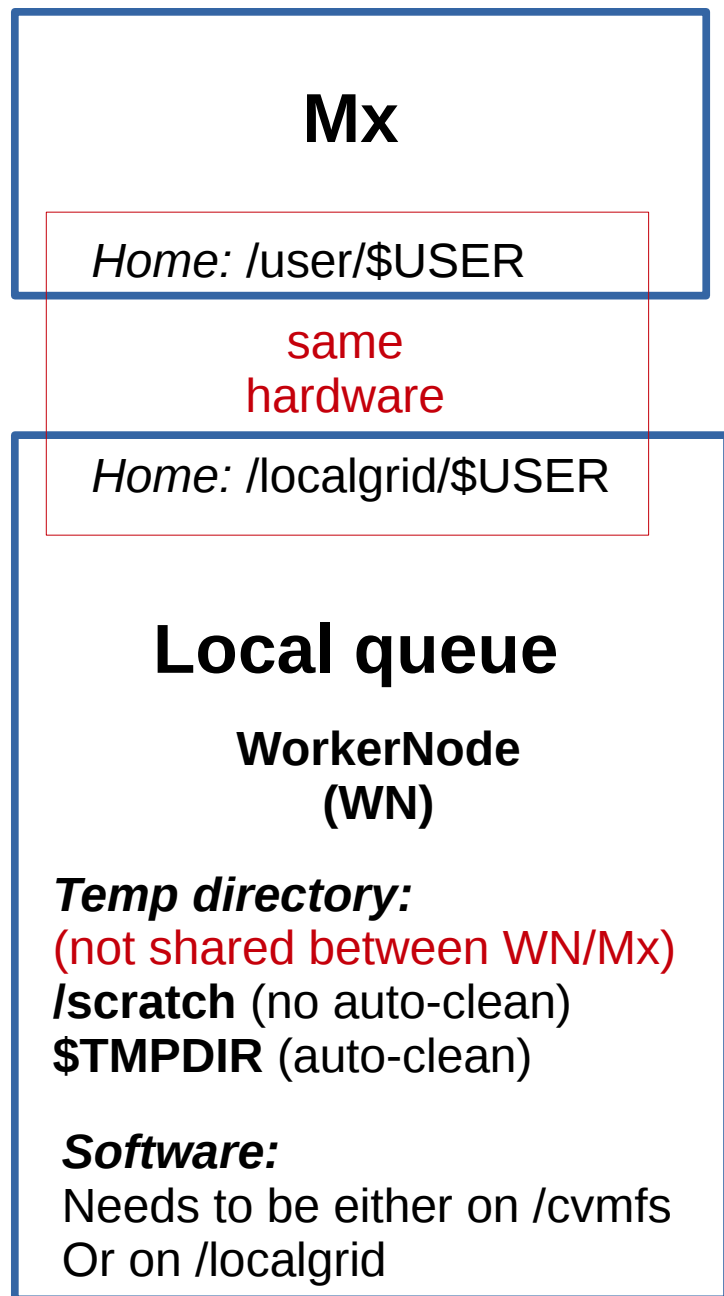
## Direct access:

`root dcap://`

**SE** (storage element)

**/pnfs**  
**maite.iihe.ac.be:8443/pnfs**

# Local submission



**Copy pnfs to MX / WN:**

`dccp dcap://maite.ihe.ac.be/pnfs/...`

**Access directly in root:**

`dcap://maite.ihe.ac.be/pnfs/`

Network 1Gbps

Network 1Gbps

Network 1Gbps

**PNFS**

**Command to submit:**

```
qsub -q localgrid@cream02  
      [-o script.stdout -e script.stderr ]  
      [-l walltime=<HH:MM:SS>]  
      myscript.sh  
qsub -l (capital l) : interactive mode
```

**Files I'm working on:**

**Input:** */localgrid* or */pnfs*

**Working:** either access */pnfs* or copy to working dir

**Output:** need to copy from working dir to  
*/localgrid* (small & precious, with backup)  
or */pnfs* (large , no backup)

# Some Links

Policies of the MX machines

<http://mon.iihe.ac.be/trac/t2b/wiki/policies>

Monitor the ressources (CPU, MEM, ...) of all our machines:

<http://gangliat2b.iihe.ac.be/ganglia/>

Monitor the jobs on the CE :

<http://mon.iihe.ac.be/jobview/overview.html>

Direct local submission

<http://mon.iihe.ac.be/trac/t2b/wiki/localSubmission>