

## **Wikiprint Book**

**Title: Blade**

**Subject: TracMeteo - HardwareCluster**

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## Blade

### 4 nodes AMD

#### wn037 wn038 wn047 wn048

- Processor: 2 AMD Opteron(TM) Processor 6212 (8 Cores, 8mbCache, 2,6 GHz, 6.4 GT/s FSB )
- Cores: 16
- Memory: 32 GB RAM
- Hard Disk: 500GB
- Nodes: 4
- Total Cores: 64

### 12 nodes Intel

#### wn031-wn036, wn041-wn046

- Processor: 2 Intel(R) Xeon(R) E5620 (4 Cores,8 threads, 12M Cache, 2.40 GHz, 5.86 GT/s Intel® QPI)
- Cores: 16
- Memory: 16 GB RAM
- Hard Disk: 250GB
- Nodes: 12
- Total Cpu: 24
- Total Cores: 96
- Total logical Cores: 192

### 16 nodes Twin

#### wn010-wn025

- Processor: 2 Intel(R) Xeon(R) CPU E5410 (4 Cores, 12M Cache, 2.3 GHz, 1.3 GT/s Intel® QPI)
- Hard Disk: 250GB

### 9 nodos lustre

Son nodos en los que se encuentra implementado el almacenamiento distribuido de 15Tb /lustre, los diferenciamos del resto de Twin porque estan limitados para el calculo.

**Impares: wn011, wn013, wn015,wn017,wn019,wn021,wn023,wn025 y wn024**

```
* Node Features (properties): osdlustre y mdslustre (solo wn024 con 24GB)
* Phymem: 8GB
* ncpus = 8
* np=4
```

### nodos nolustre

**Pares: wn010,wn012,wn014,wn016,wn018,wn020,wn022**

```
* Node Features (properties): twinib
* Phymem: 8GB
* ncpus = 8
* np=8
```

### 8 nodes dell

**wn002-wn009**

- Processor: 2 Intel(R) Pentium(R) D CPU 3.00GHz
- Hard Disk: 300GB

```
* Node Features (properties): dell
* Phymem: 2G
* ncpus = 2
* np=2
```

?ncpus: real processors ? np: virtual processors los que están disponibles para ejecutar un job task