

# Composition

- 2 R720
- 2 R720+K20
- 2 R720+PHI
- 4 R820

## R720

|                |   |
|----------------|---|
| <b>CPU</b>     | 2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz → 16 cores |
| <b>Memory</b>  | 256Go   |
| <b>Storage</b> | 6To   |

## R720 + K20

|                |   |
|----------------|---|
| <b>CPU</b>     | 2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz → 16 cores |
| <b>Memory</b>  | 256Go   |
| <b>GPU</b>     | 2 x NVidia Tesla K20m                                   |
| <b>Storage</b> | 6To   |

## R720 + PHI

|                      |   |
|----------------------|---|
| <b>CPU</b>           | 2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz → 16 cores |
| <b>Memory</b>        | 256Go   |
| <b>Coprocesseurs</b> | 2 x INTEL XEON PHI 5110P                                |
| <b>Storage</b>       | 6To   |

## R820

|                |   |
|----------------|---|
| <b>CPU</b>     | 4 x Intel(R) Xeon(R) CPU E5-4620 0 @ 2.20GHz → 32 cores |
| <b>Memory</b>  | 512Go   |
| <b>Storage</b> | 5,5To   |

## Total

Nous avons à disposition :

| Machine      | Quantité  | Cores | Total      | Mémoire par machine (Go) | Stockage par machine (To) |
|--------------|-----------|-------|------------|--------------------------|---------------------------|
| R720         | 2         | 16    | 32         | 256                      | 6                         |
| R720 + K20   | 2         | 16    | 32         | 256                      | 6                         |
| R720 + PHI   | 2         | 16    | 32         | 256                      | 6                         |
| R820         | 4         | 32    | 128        | 512                      | 5,5                       |
| <b>Total</b> | <b>10</b> |       | <b>256</b> | <b>3 840</b>             | <b>58</b>                 |

# Réseau

L'interconnexion se fait en 10Go optique, sur commutateur Dell PowerConnect 8132F.

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