List of IRIS Resources and Enabling Infrastructure

The list of available resources and enabling infrastructures are available in Tables 1 to 3.

The size and shape of the Resource and Enabling Infrastructures available by Q3 2019 are dependent on your Resource Requests and the £3M envelope budget.

Table ; The Available cores for Q1 and Q2 2019

|  |  |  |
| --- | --- | --- |
| **Available Cores** | **Q1 2019** | **Q2 2019** |
| **Site**  | **Enabling Infrastructures: Interfaces** | **Physical Cores** | **Standard IRIS 6130 Physical Cores** | **HS06** | **Physical Cores** | **Standard IRIS 6130 Physical Cores** | **HS06** |
| **STFC (RAL)** | **Grid(ARC CE), Openstack/Nova** | 1728 | 1602 | 38,244 | 4096 | 3970 | 91,302 |
| **Manchester** | **Grid(ARC CE) and VAC.**  | 1536 | 1536 | 34,416 | 1536 | 1536 | 34,416 |
| **Imperial** | **Openstack** | 0 | 0 | 0 | 384 | 384 | 8,604 |
| **Lancaster** | **Grid(CREAMCE)** | 0 | 0 | 0 | 800 | 769 | 19,560 |
| **Cambridge** | **Openstack / Slurm on bare metal** | 1,152 | 1,152 | 25,812 | 1,152 | 1,152 | 25,812 |
|  |  |   |   |   |   |   |   |
|   | **Sum Physical Resource** | 4,416 | 4,290 | 98,472 | 7,968 | 7,810 | 179,694 |
|  | **Sum allocatable Resource (raw\*availability)** | **3,974** | **3,861** | **88,625** | **7,171** | **7,029** | **161,724** |
|  | **Allocatable hyperthreads Job slots** | *7949* |  |  | *14342* |  |  |
| **Availability factor**  | **What availability factor**  | **90%** |   |   |   |   |   |

Table : The List of Available Disk Resources

|  |  |  |
| --- | --- | --- |
| **Available Disk (Nearline)** | **19Q1** | **19Q2** |
| **Site** | **Enabling Infrastructuress: Interfaces** | **Disk (TB)** | **Disk (TB)** |
| **STFC (RAL)** | Webdav (native) / xrootd or Gridftp (supported) / S3 (experts only) | 2345 | 2345 |
| **Manchester** | Xroot or GridFTP (native), WebDAV (supported) | 1000 | 1000 |
| **Imperial** | Xroot or GridFTP ), WebDAV, POSIX (nfsV4) |   | 1000 |
| **Lancaster** | Xroot or GridFTP (native), WebDAV (supported) |   | 1200 |
| **Cambridge** | POSIX, sftp | 1000 | 1000 |
|   |   |   |   |
|   | **Total Disk Available (TB)** | 3345 | 5545 |

Table : The List of Available Tape Resources

|  |  |  |
| --- | --- | --- |
| **Available Tape** | 19Q1 | 19Q2 |
| Site | Tape (TB) | Tape (TB) |
| RAL | 0 | 2000 |