DESY.IT:

LUXE Computing Kick-Off

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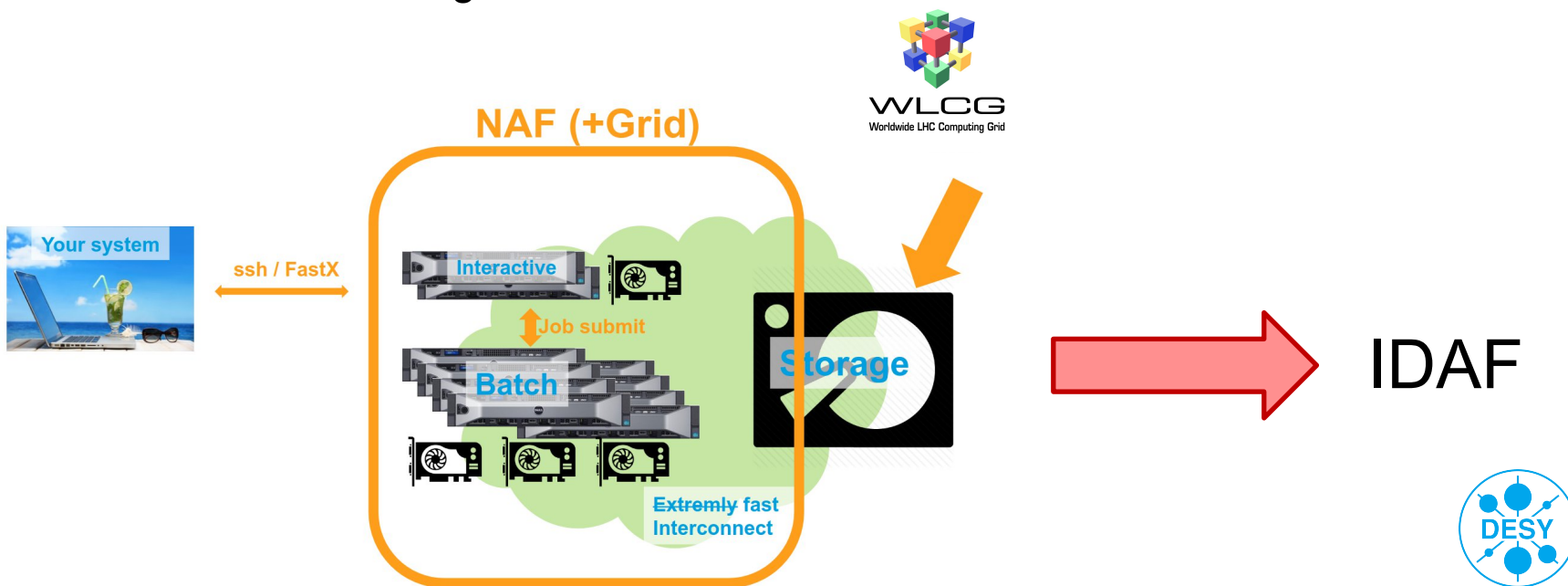
DESY

Compute: Large Scale Batch Resources

> NAF/Grid on HTCondor

> Size: ~ 900 nodes / ~30k cores / ~100 TB RAM

> Network: 1 GE - 10 GE Ethernet

> Integrated Services: Jupyter Notebooks, Containers, dynamic GPUs

> Storage: dCache (NFS, Ethernet), GPFS (NFS, Ethernet)

> Batch Strategy: Per-core-scheduling, no multi-node. Centrally procured resources. Fairshare on group basis.

> Workgroup Servers: Additional interactive resources dedicated to development and small scale testing

Storage and Data Management

> [dCache based LTS](#)
> > in house developers
> Storage
> > poolgroup within existing dCache instance
> Procurement plans?

> additional data management systems optimized for integration into DAQ
> NAF: shared fast scratch space

> Data Management: Rucio?

> Tape, if needed

Generic DESY IT Services

> **Auxiliary Services**

>> Scalable software distribution: CVMFS /cvmfs/luxe.desy.de
>> Code Management - CI/CD: gitlab.desy.de
>> Collaborative Services: Registration, VOMS,...
>> User Services: wiki,...

>> What Grid infrastructure envisaged? VOMSes or more plain?
>>> Authz? (X509/tokens$_{IAM?}$)

> Combining NAF+Grid with MAXWELL (HPC) to a common IDAF. Further synergies and services possible.