



HNSciCloud Pilot Phase

WP5

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- ☛ Assess each pilot
 - ☛ Give input to the final reporting
 - ☛ Provide feedback to contractors
- ☛ Open pilot deployments to end users
 - ☛ Deploy their applications
- ☛ Provide the platform on which the final demo can be performed

Description of work

- ☞ two major tasks:
 - ☞ Task 5.1: scalability and robustness tests
 - ☞ Extended tests performed by the IT specialists
 - ☞ functionality, interoperability, security, robustness and scalability
 - ☞ When completed will start trials by end-users
 - ☞ Task 5.2: pilot assessment
 - ☞ Assessment against the published criteria

Start of the Pilot Phase

- WP5 marks the start of the Pilot Phase of the PCP process.
- Prototype Platforms will be progressively expanded to larger-scale Pilot Platforms
- Buyers Group will execute a suite of tests and a range of application workloads.

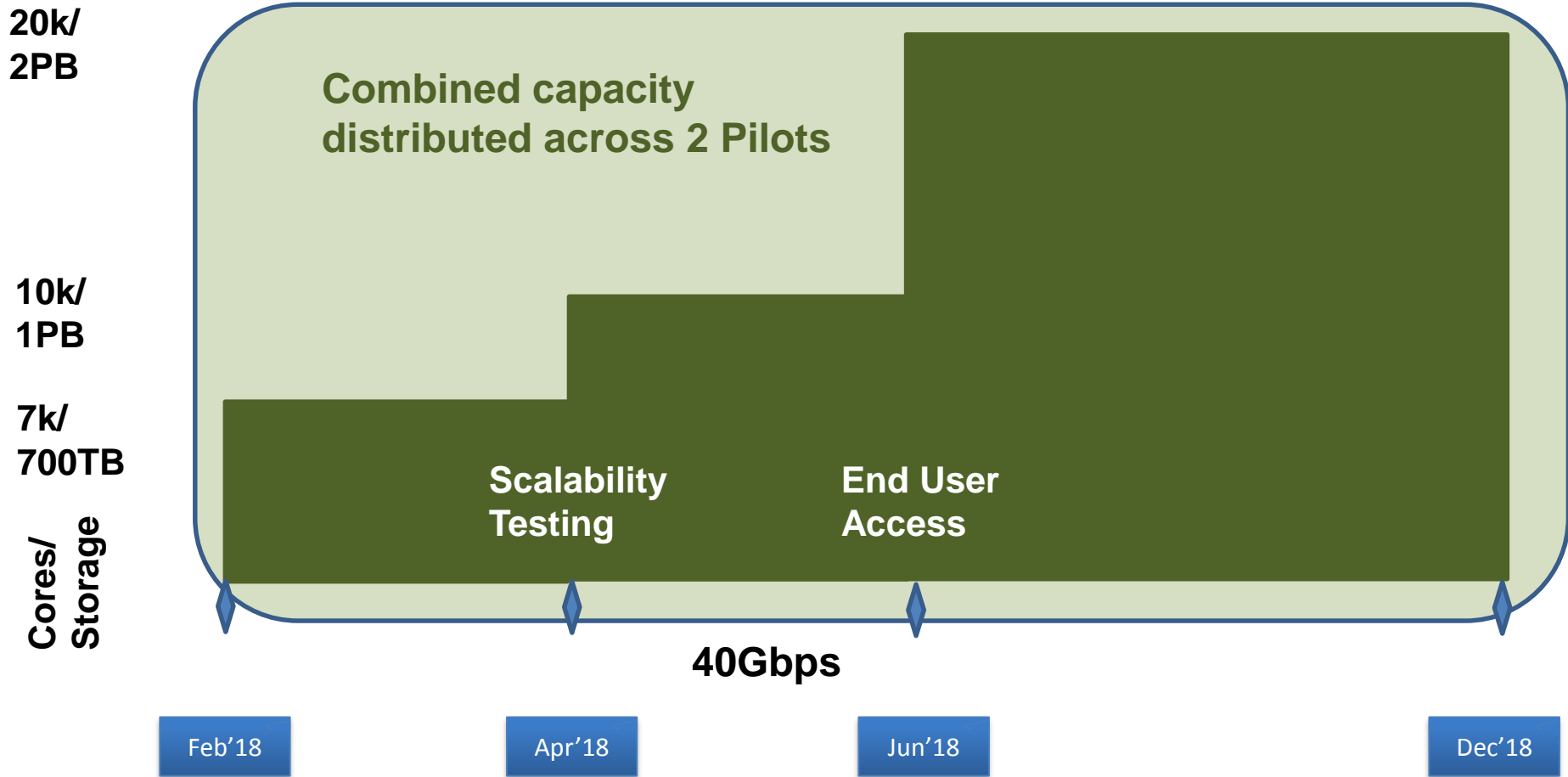
Work Plan February-March

- End of February: achieve 100% coverage of the tests in the prototype test suite for each contractor
- Test subset of suite against Advania (via RHEA)
- April: formal review (M-PIL-3.1)
 - Possibility to terminate the work order if tests show insufficient progress

Work Plan April-May

- Following the M-PIL-3.1 review, IAAS capacity increased
 - start testing **scalability, security** and **reliability**
- Selected **end-users** will be given access to pilot platform
- WP5 completes at the **end of May 2018**, followed by a second review (M-PIL-3.2)
 - Feedback from end-users taken into account

Access to cloud service capacity



CERN

- CERN Batch service
- GPU (Machine learning)
- PerfSONAR @40Gbps
- VM Provisioning and Personalisation
- Security assessments
- Dockerized deployment of EOS+CERNBOX+SWAN

CNRS

- HTCondor dynamic expansion
- LHC_VO MC

DESY

- HPL and HPCG (HPC)
- SIMEX (photon science)
- Serial X-Ray (Crystallography)

EMBL

- Marine Metagenomics

ESRF

- Functionality and user-friendliness of cloud interfaces

IFAE

- MAGIC hybrid cloud
- CTA_dirac data fetching

INFN

- BelleII_SIM_PROD
- Dynfarm_scale
- DODAS

KIT

- Batch system extension
- CPU benchmarks
- Fed auth with ECP SAML

SURFsara

- BBMRI import and testing of images/recipes
- LOFAR/BBMRI data transfer
- LIGO/VIRGO



Work Methodology

- Continue the good habits of WP4
- Weekly telco among procurers (1h)
 - Telco with contractors the same day
- Mailing list: HNSciCloud-WP5@cern.ch
- Ticketing and logbook systems provided by DESY
- Collaborative tools provided by CERN to share documents and notes
- Communication with contractors through their systems