



IT-Devops Update

DMLT June 2022 vF2F

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U.S. DEPARTMENT OF
ENERGY

SLAC

CHARLES AND LISA SIMONYI FUND
••• FOR ARTS AND SCIENCES •••



2022 Progress so far...

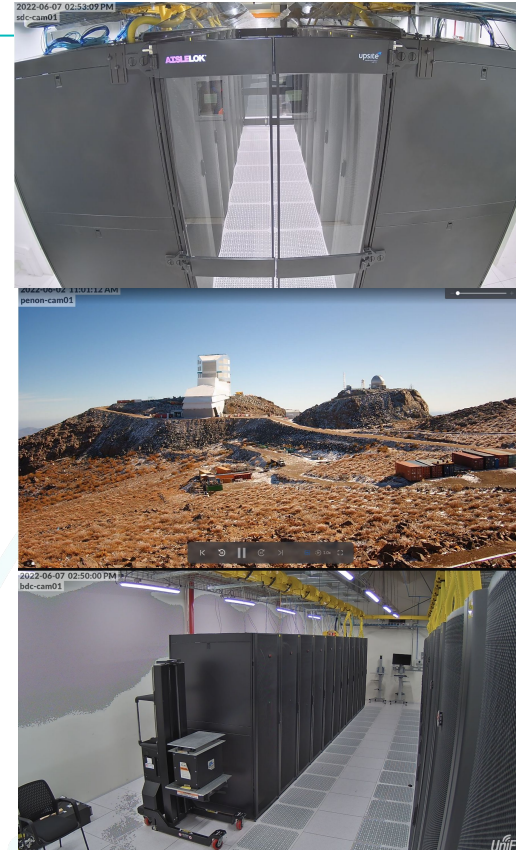
NET Meeting - LDM-732, LSE-78, LSE-479, vNOC

Cold aisle in computer room , 30% colder!

New virtualization clusters at summit and base

Base datacenter was officially received by Noirlab

New cctv



2022 Progress so far...

Camera fibers to TMA

Yagan delivered - (ex-Andes)

Backup link tested (40gb)

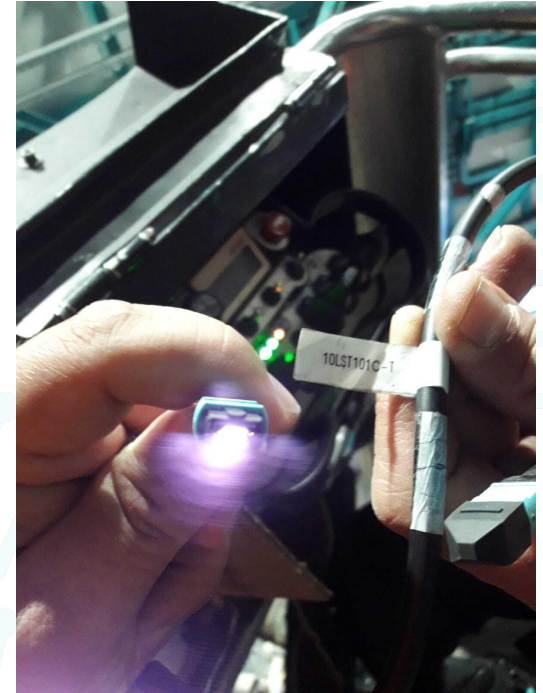
TTS delivered

Maintenance window - Thursday!

Monitoring improvements, k8s logs, metrics, etc.

Carlos Barria - New Devops Eng.

+ the usual, tuning monitoring, tickets, firefighting, more fibers, docs, etc.



Upcoming soon(ish)

*ACI Apocalypse (Q422) - ittn-043.lsst.io

Dome network, still testing a mesh deployment.

Backups

EL8, devops first then the rest.

Commissioning Cluster, @summit

Postgres @summit

Summit Backup Link

Not so soon

3rd Floor Lab - ittn-047.lsst.io

Summit Computer Room (23?) - ittn-039.lsst.io, more power sockets, better airflow, cables re-certifications, etc

Unification of Authorization mechanisms, w/Frossie

BTS, purchased in Feb. still in backorder

PTP

Base Computer Room, after Summit CR

Encryption, SFR5

+ the usual



Commissioning Cluster - Antu

- What do we need for commissioning and when to order it ..
 - what needs to be installed on a cluster at the base or summit
 - do we need processing at the base or should we rely on USDF ?
 - how does camera diagnostic cluster fit in ..

Some Considerations:

784 Cores / 2.8TB Ram / 13 Nodes ~ 20RU

DDN ~700TB Appliance

All new hardware is backordered (6-7 months, yes, it could get worse)

DDN does not fit in the Summit CR (or base..)

There are no more power sockets at the summit (waiting on a new UPS)

Summit-Base 4x100gb by end of the year + 300mb Backup in the next 2 months