



# Overview of the LANL Globus Endpoint

GlobusWorld 2016 Lightning Talk  
Giovanni Cone

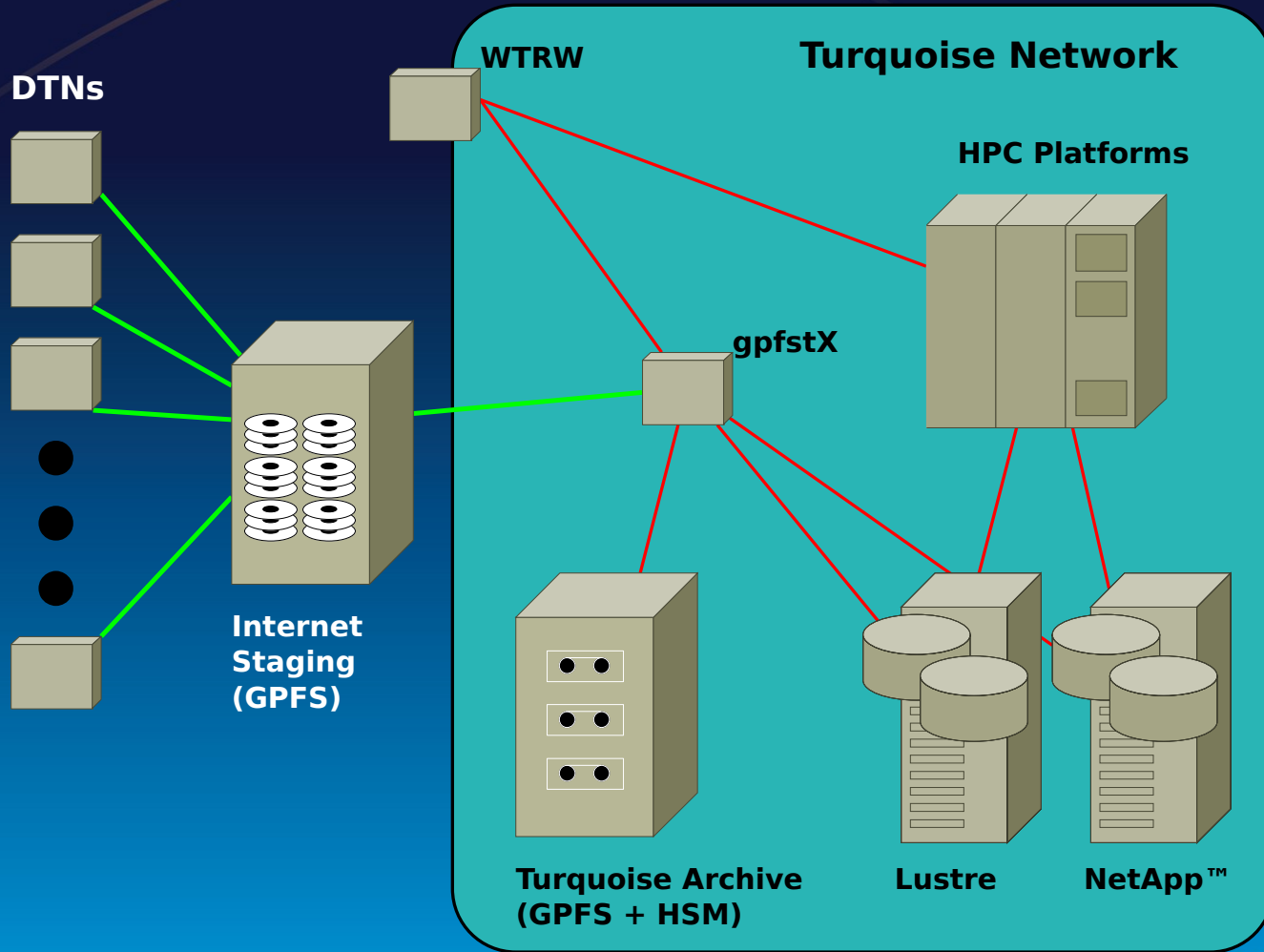
UNCLASSIFIED

# Motivations for a Globus Endpoint

- Open Science users frustrated with access time-out via gateway (WTRW) system.
- `scp` and `rsync` transfer operations insufficient for transfer of large datasets (10s to 100s of TBs).
- Makeshift large data transfer solutions proved cumbersome to use and support.

UNCLASSIFIED

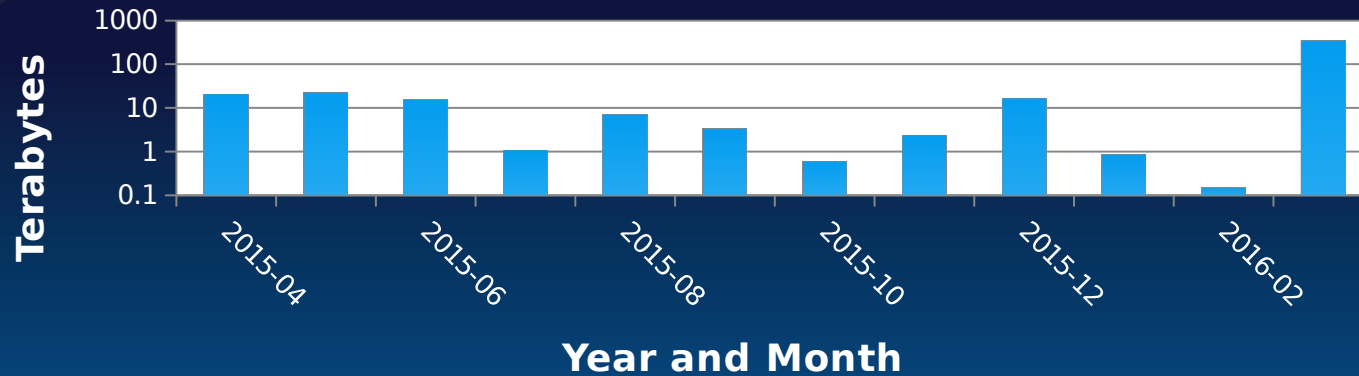
# Basic Network Schematic



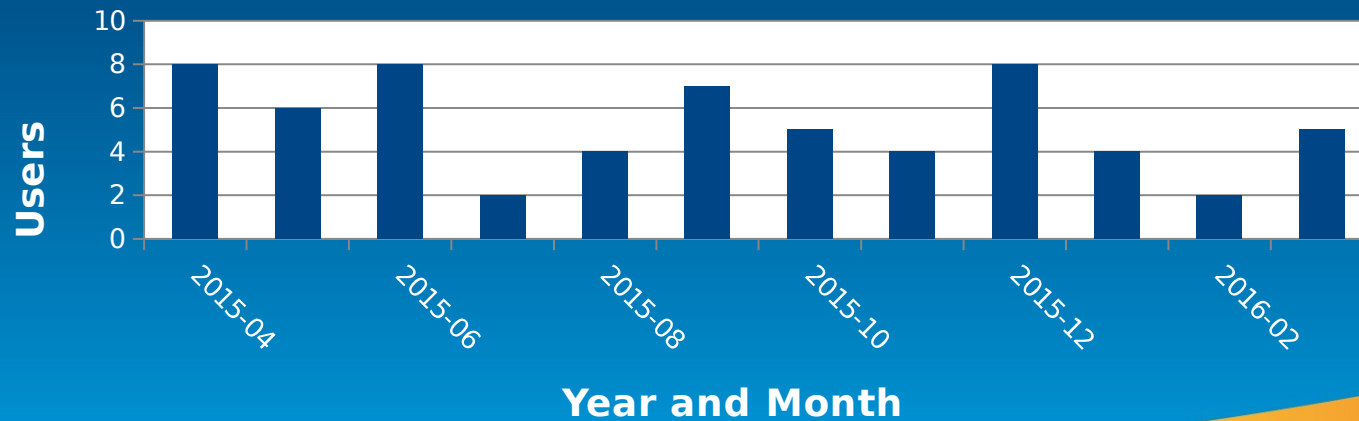
UNCLASSIFIED

# Usage History

## Terabytes per Month



## Users per Month



UNCLASSIFIED

## Closing Comments

- Basic documentation for using Globus published on `hpc.lanl.gov` *Intranet* site.
- Data migration “shepherding” still a manual process from staging space to HPC file-systems.
- Usage levels over the past year less than management expected.
- Further performance improvements to be implemented pending funding and resources.

UNCLASSIFIED