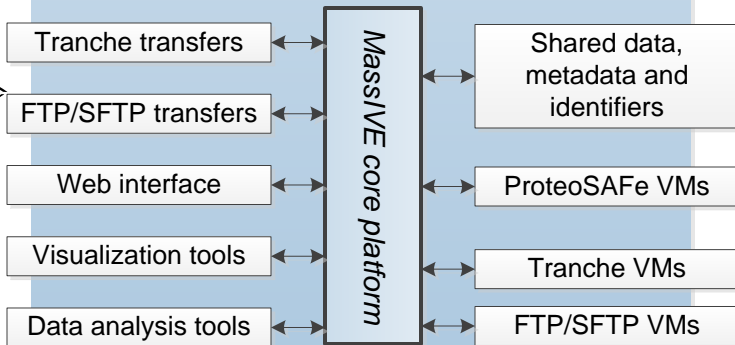




Proteomics
Community

MassIVE frontend



Community interchange

Tranche Network,
ProteomeXchange, PeptideAtlas

Compute infrastructure

CCMS compute cluster, Cloud
computing (SDSC Triton/Gordon)

MassIVE Network backend
External multi-GigE and multi-
10GigE into SDSC; Internal
QDR Infiniband (40GB/s),

MassIVE storage infrastructure

Repository storage
240 TB raw, 145 TB usable
storage, High-accessibility,
RAID, fault tolerance

Cloud storage
San Diego Supercomputer
Center, RAID, duplicated, up
to Petabyte scale

Backup storage
240 TB raw, 145 TB usable
storage, RAID, fault tolerance



Proposed MassIVE resources



CCMS/UCSD resources



Community resources