Rutgers Cyberinfrastructure Resources at OARC

Udi Zelzion
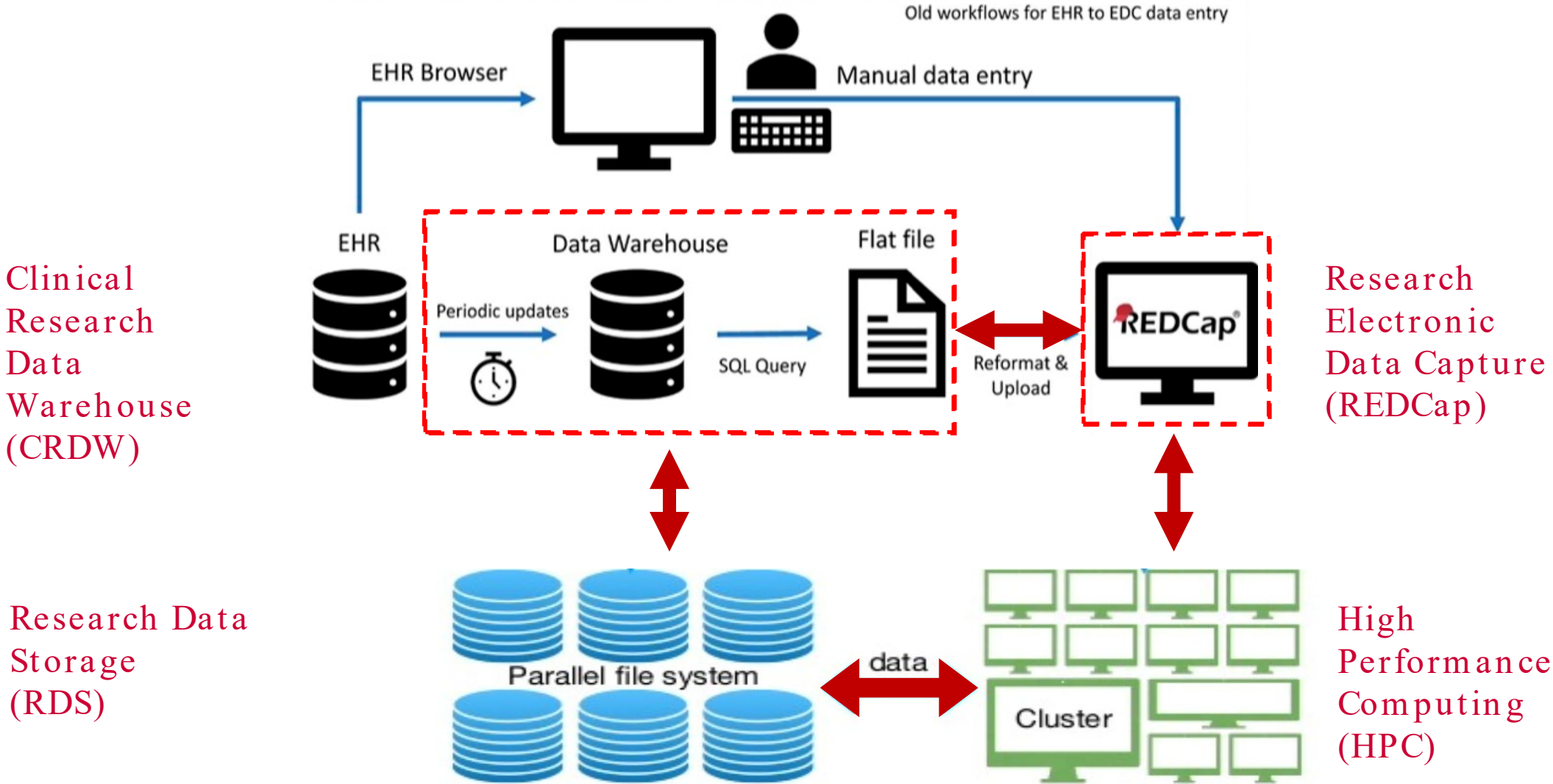
Senior Scientist

Office of Advanced Research Computing
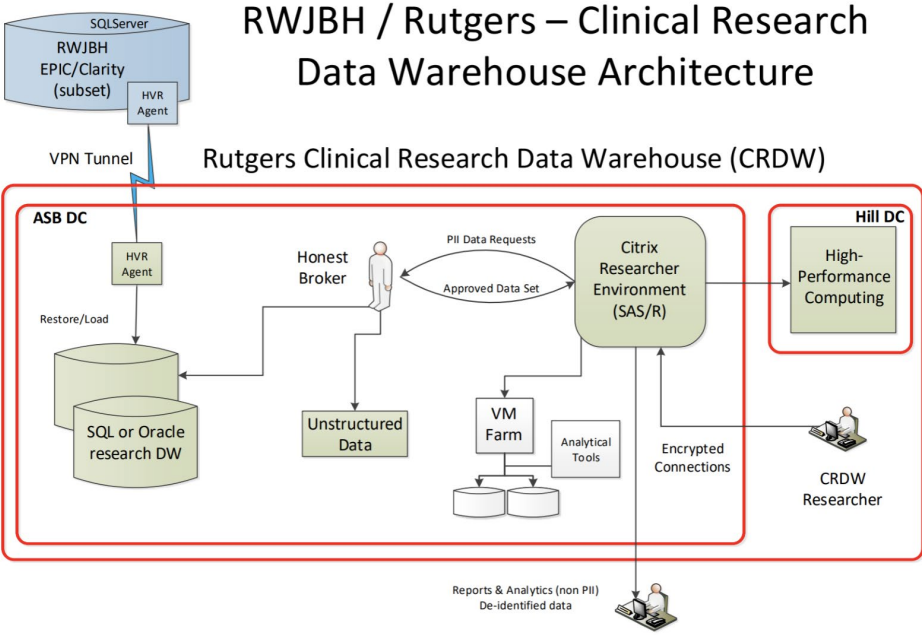
help@oarc.rutgers.edu

udi.zelzion@rutgers.edu

OARC - AT A GLANCE

Old workflows for EHR to EDC data entry

EHR Browser

Manual data entry

Clinical Research Data Warehouse (CRDW)

EHR

Data Warehouse

Flat file

Periodic updates

SQL Query

Reformat & Upload

REDCap

Research Electronic Data Capture (REDCap)

Research Data Storage (RDS)

Parallel file system

data

Cluster

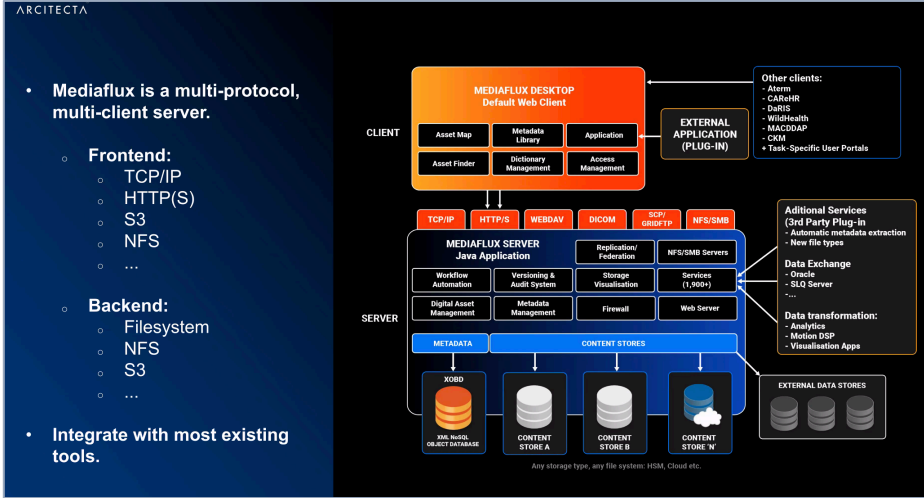High Performance Computing (HPC)

CRDW

A secure, HIPAA-compliant central repository that includes diverse healthcare data and essential analytical tools for gaining insights into medical conditions, outcomes, and treatments. https://crdw.rutgers.edu

Research Data Storage (RDS)

IN PILOT STAGE (12 users across all campuses) 34PB of usable storage using S3 object storage filesystem funded by the ELF (Equipment Leasing Fund) grant. Will supports sftp, smb/cifs, nfs, S3 and globus.