Big Data Management

Security, Software & Computing

Shelley Vaughn, MPH

Lead Research Facilitator

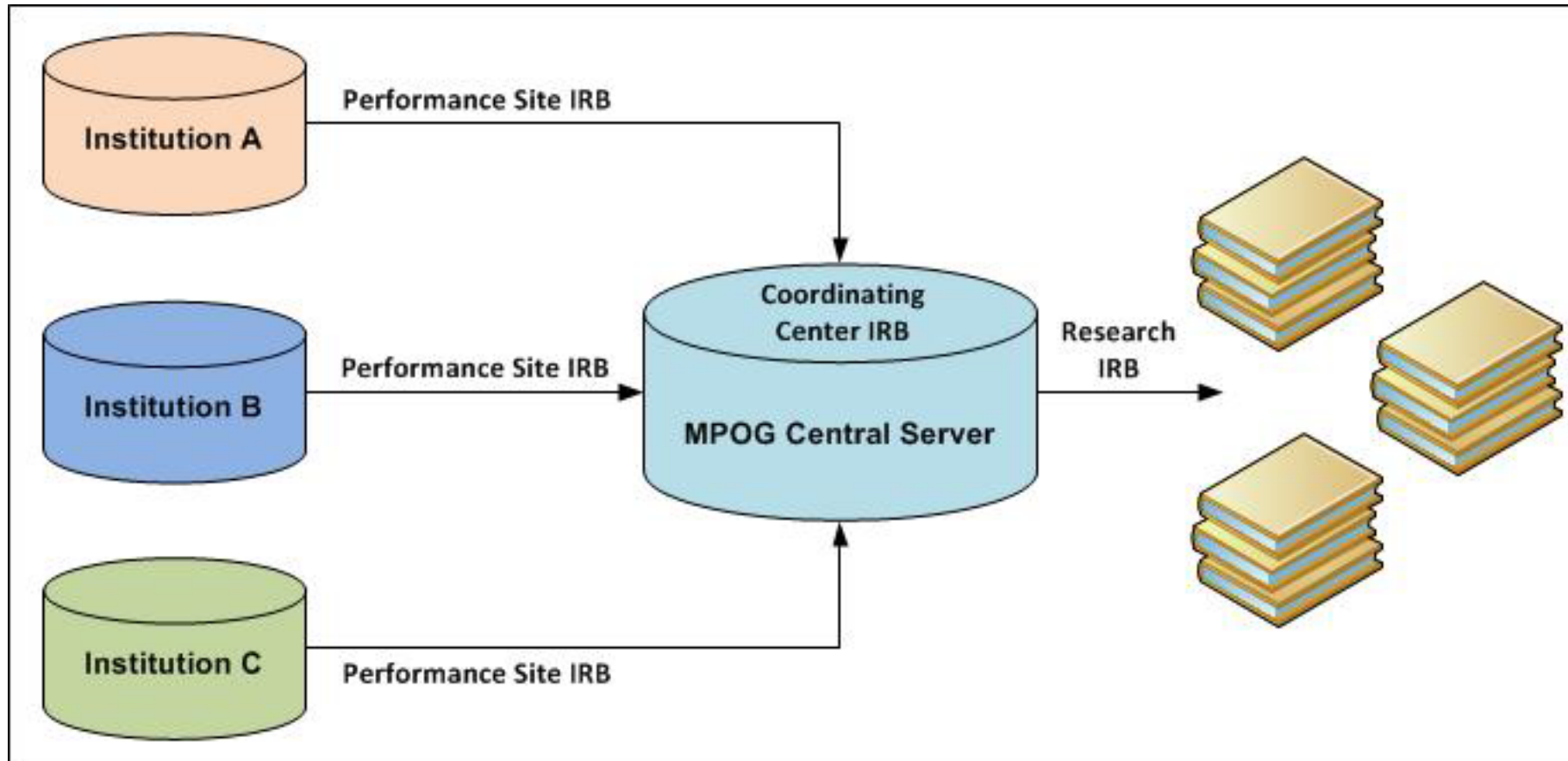**Nicole Pescatore, MPH**

Clinical Research Project Manager

Outline

- MPOG IRBs

- PHI / HIPAA Compliance

- MPOG Stats Server - Data Access & Security

- Data Storage

- High-Performance Computing

Institutional Review Board (IRB) Approvals

HIPAA Protected Health Information - Identifiers

- Name

- All geographical subdivisions smaller than a state

- All elements of dates (except year) related to individual

- Phone numbers

- Fax numbers

- Electronic mail addresses

- Social Security numbers

- Medical record numbers

- Health plan beneficiary numbers

- Account numbers

- Certificate/license numbers

- Vehicle identifiers and serial numbers

- Device identifiers and serial numbers

- Web Universal Resource Locators (URLs)

- Internal Protocol (IP) address numbers

- Biometric identifiers, including finger prints

- Full face photographic images

- Any other unique identifying number
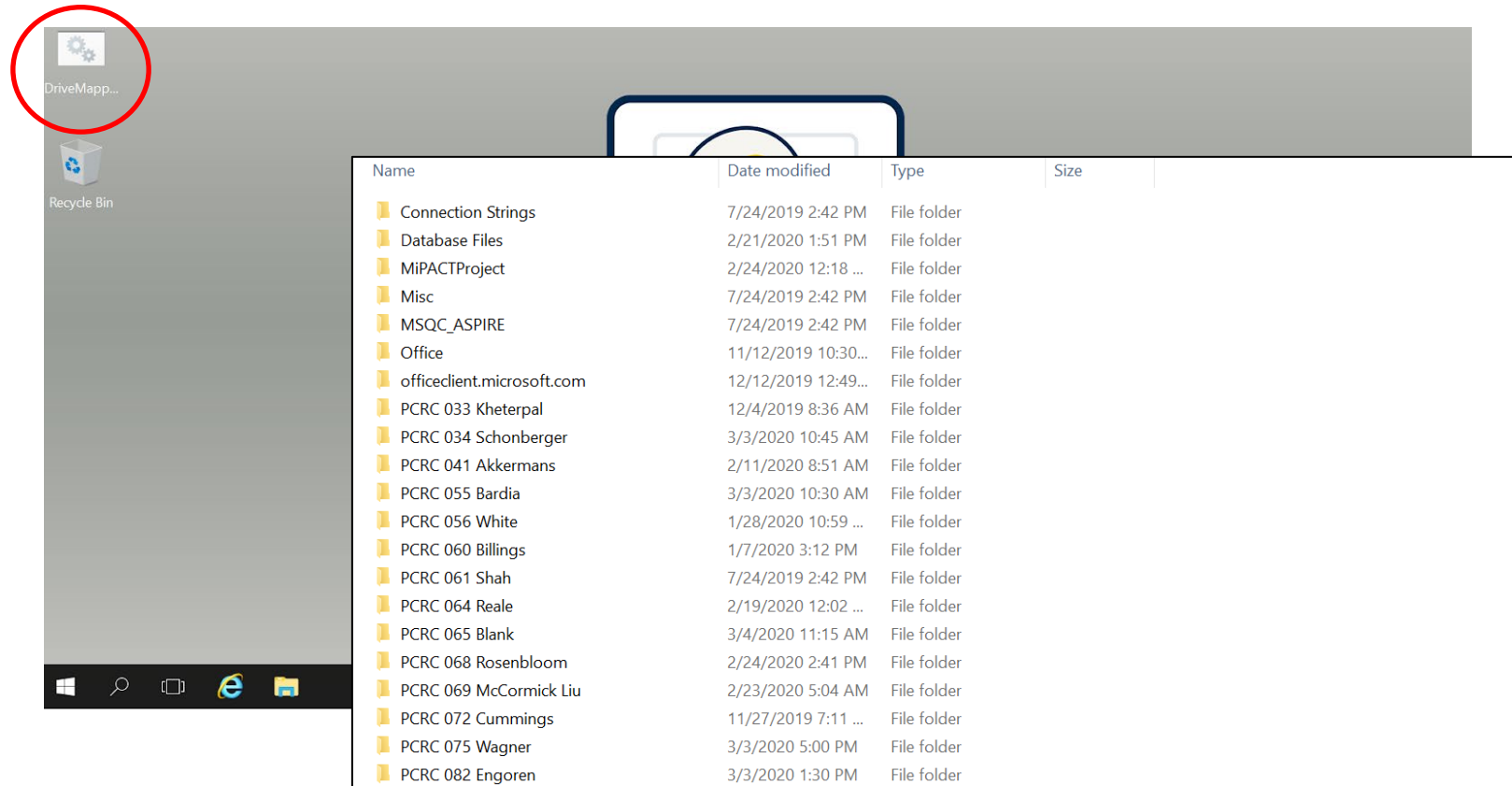
MPOG Statistical Server

Accessing MPOG Statistical Server

- Provide proof of IRB approval or exemption for research project

- Sign and return security affidavit

- Obtain a username and password from MPOG Central

Software Available on MPOG Statistical Server

Turbo Storage Volume

Armis 2.0

- Fee-based high-performance computing cluster suitable for HIPAA regulated data

- Linux-based operating system

- Scheduled computational jobs

- Data stored on Turbo storage volume

Thank you!

- Please reach out with any questions.
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