



Big Data Management

Security, Software & Computing

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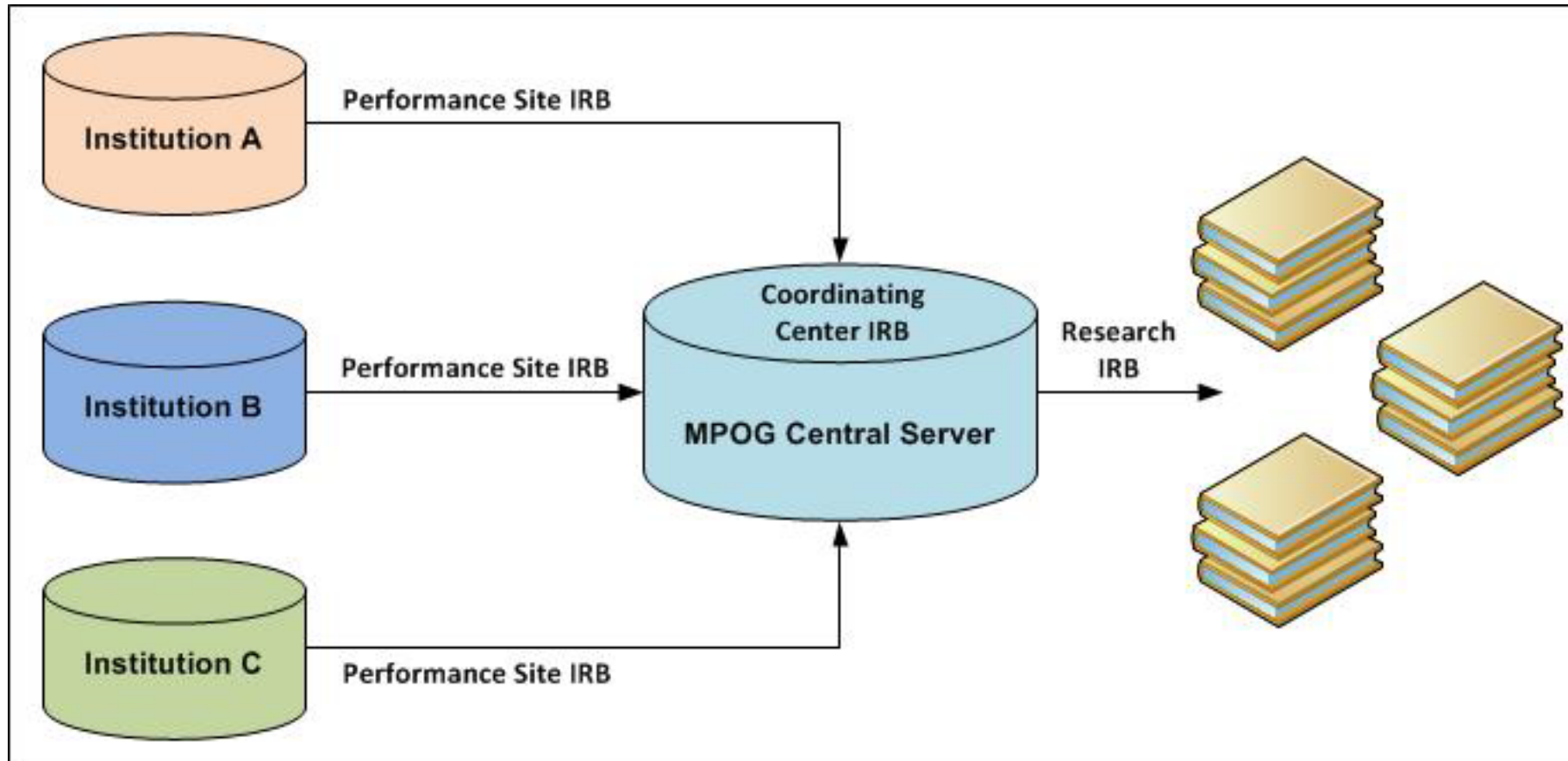
Clinical Research Project Manager



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





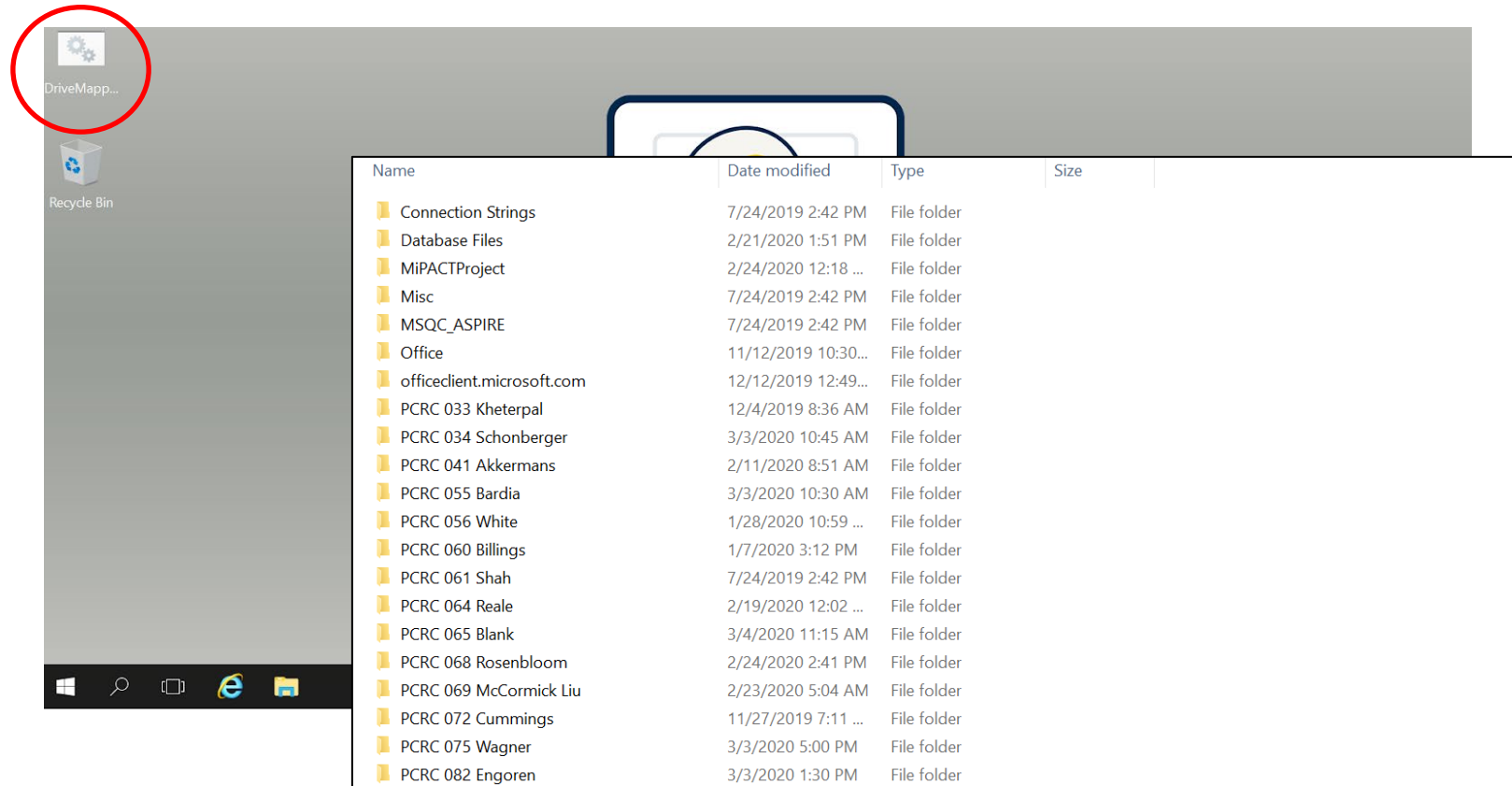
Accessing MPOG Statistical Server

- 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



DriveMapp...

Recycle Bin

Name	Date modified	Type	Size
Connection Strings	7/24/2019 2:42 PM	File folder	
Database Files	2/21/2020 1:51 PM	File folder	
MIPACTProject	2/24/2020 12:18 ...	File folder	
Misc	7/24/2019 2:42 PM	File folder	
MSQC_ASPIRE	7/24/2019 2:42 PM	File folder	
Office	11/12/2019 10:30...	File folder	
officedient.microsoft.com	12/12/2019 12:49...	File folder	
PCRC 033 Kheterpal	12/4/2019 8:36 AM	File folder	
PCRC 034 Schonberger	3/3/2020 10:45 AM	File folder	
PCRC 041 Akkermans	2/11/2020 8:51 AM	File folder	
PCRC 055 Bardia	3/3/2020 10:30 AM	File folder	
PCRC 056 White	1/28/2020 10:59 ...	File folder	
PCRC 060 Billings	1/7/2020 3:12 PM	File folder	
PCRC 061 Shah	7/24/2019 2:42 PM	File folder	
PCRC 064 Reale	2/19/2020 12:02 ...	File folder	
PCRC 065 Blank	3/4/2020 11:15 AM	File folder	
PCRC 068 Rosenbloom	2/24/2020 2:41 PM	File folder	
PCRC 069 McCormick Liu	2/23/2020 5:04 AM	File folder	
PCRC 072 Cummings	11/27/2019 7:11 ...	File folder	
PCRC 075 Wagner	3/3/2020 5:00 PM	File folder	
PCRC 082 Engoren	3/3/2020 1:30 PM	File folder	



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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