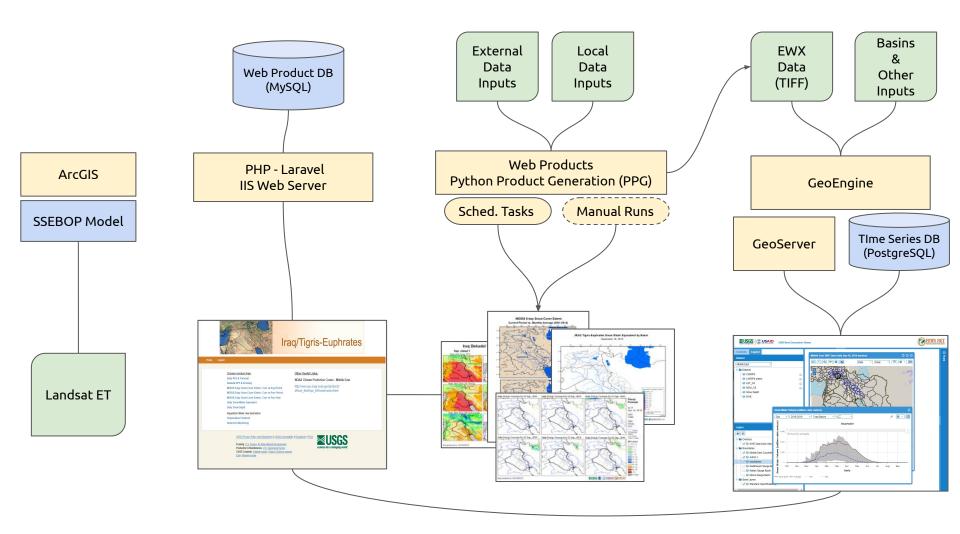
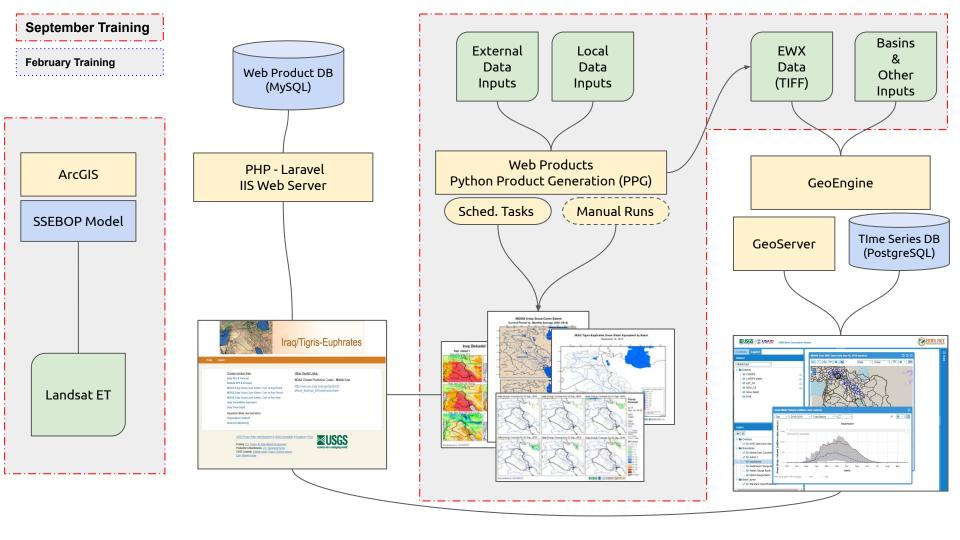
IRAQ-MOWR

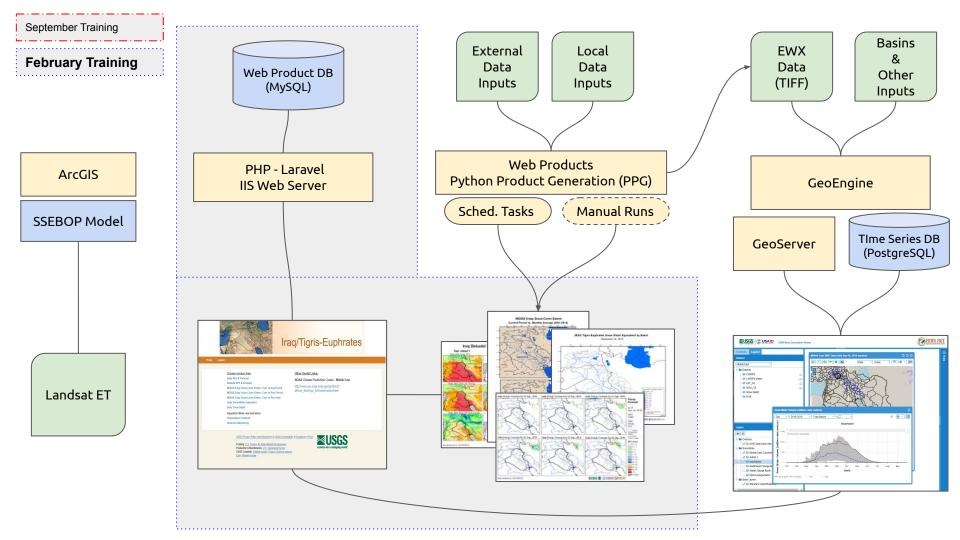
09/23/2019 Team Meeting

EROS Overview

FEWS-IRAQ Architecture & Training Topics







MOWR

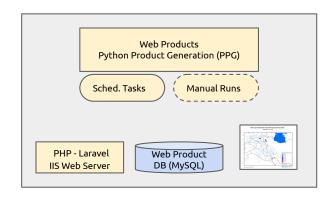
Implementation Planning

MOWR Challenges

- Internet issues / Speed
- Power issues
- Server issues
 - Current servers run Windows Server 2008 (security risk)

Server Implementation

- Single Server
 - Would contain all components
 - Python code, products, website and database
- Multiple Servers
 - Server 1: Python and product server
 - Server 2: Website and database server
- Multiple Servers
 - Server 1: Python and product servers
 - Server 2: Database server
 - Server 3: Website Server



Note: When using multiple servers, there will need to be shared storage between the servers

EROS Server Specifications

| | Web Server | Database Server | Python Server |
|------------------|--|--|--|
| Operating System | Windows Server 2012 Upgrading to Windows Server 2019 in next 6 months | Windows Server 2012 Upgrading to Windows Server 2019 in next 6 months | Windows Server 2012 Upgrading to Windows Server 2019 in next 6 months |
| Processors | Intel Xeon 2.50 GHz 4 Processors | Intel Xeon 2.50 GHz 2 Processors | Intel Xeon 2.50 GHz 3 Processors |
| Memory | 16 GB | 8 GB | 16 GB |

Note: The above servers are supporting 12+ EROS Science projects. MOWR is equivalent to 1 Science project

Implementation Planning

<u>September Training: Product Topics</u>

- Who will install the python code and scheduled tasks?
 - Will run on laptops after return. No server to install
- Will the python code be installed on the website server or a separate server?
 - See above
- Will the Python code be setup and fully operational before the February Website training?

February Training: Website Topics

- Will website run on public server?
 - Will be requesting a new server after return
 - Will be different than current public website. Not sure where it will be hosted
 - Will keep as password protected
 - Disk: Should plan for 10 TB.
 - Total: 10 TB
 - Landsat full country: 2-5 TB
 - Web products: 64 GB base / 20 GB per month
- What is the domain for the website?
- Will the IIS or Apache web server be used?
- Will the website remain password protected?
- Due to Internet issues, should MOWR run an internal and external website?
 - No Intranet in between their departments