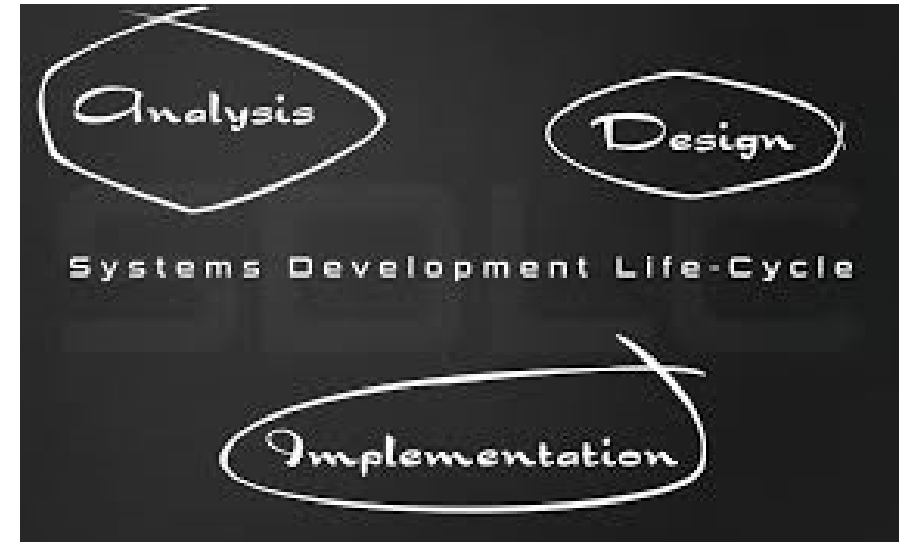
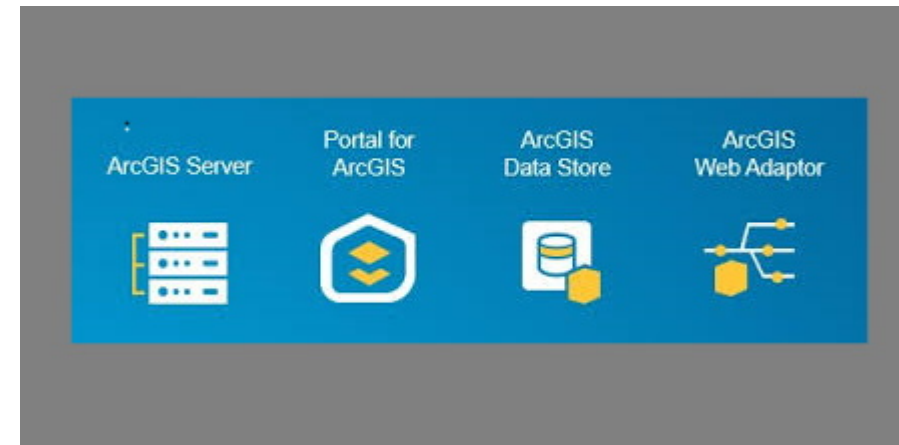


GIS Migration to ArcGIS Enterprise



August 11, 2020

Rachel L. Smith, Information Resources Coordinator

Project Prep & Initiation



Project Prep

- Document overall project plan, timelines, budget, staff needs
- Staff Training / Leader Prep
- Procure Consultant Help
- Set Up Core Team; weekly meetings



Procurements

- Esri Professional Services Credits
 - System Architecture Plan
- Hired Timmons Group via Oregon BaseCamp
 - Attend esri meetings/Workshop
 - Kick-Off
 - Review Plan; Suggest Edits/Best Practices Advice
 - Implementation Assistance
 - Transition to Maintenance
 - (provide Project Mgmt Assistance)



Staff Training

- ArcGIS Enterprise Configuring a Base Deployment
 - Network Analyst (IT)
- Deploying & Maintaining a Multiuser Geodatabase
 - Database Administrator
 - GIS Librarian
- Managing Geospatial Data in ArcGIS
 - GIS Analyst



Staff Training

- Helpful Videos from Esri
 - [ArcGIS Enterprise Introduction \(UC 2019 Technical Workshop\)](#)
 - [ArcGIS Enterprise Architecting Your Deployment \(Dev Summit 2019\)](#)
 - [ArcGIS Enterprise Functionality Matrix \(10.8.1\)](#)
- DLCD ArcGIS Enterprise Overview
 - Created by Rachel Smith for core project team as intro to Enterprise.



Project Initiation

- System Architecture Plan
 - Used 37.38 credits = \$20,933
- 3-day Workshop with Staff
- Draft Plan
 - Reviewed by DLCD
 - Reviewed by Timmons Group
- Final Plan

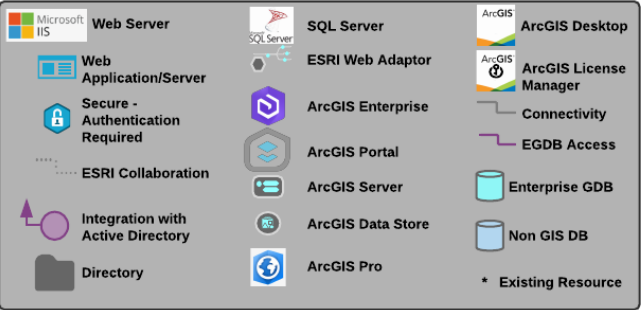
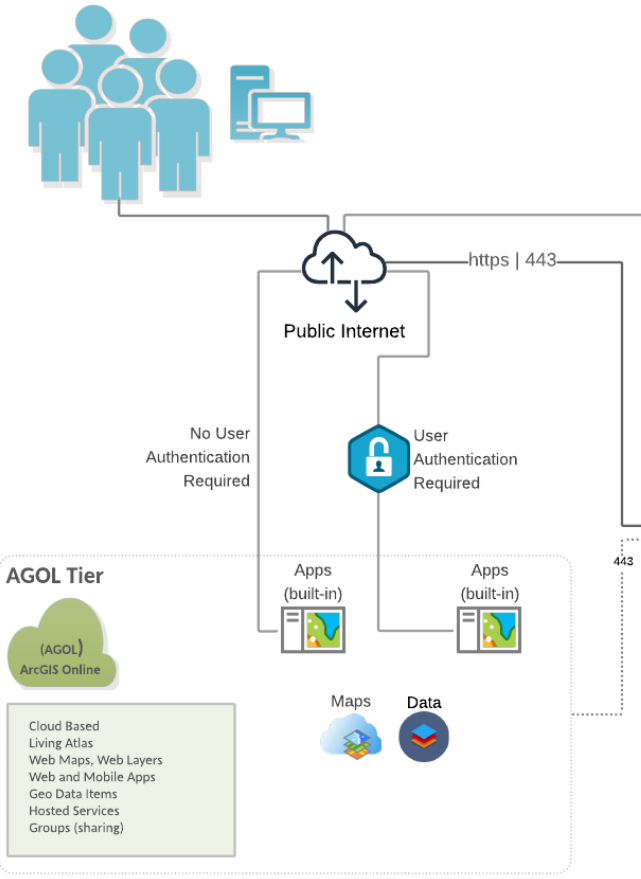
Planning



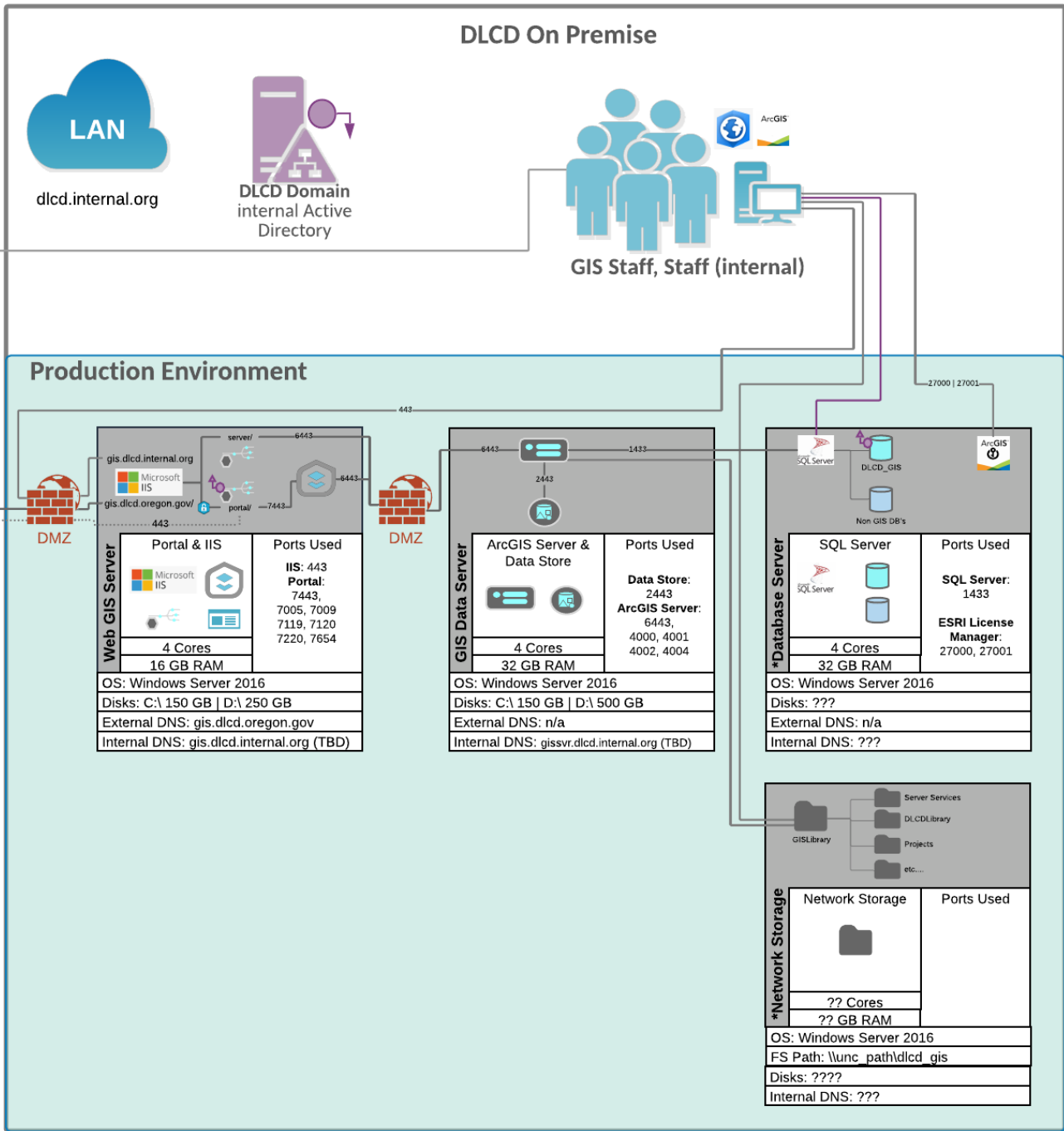
Planning Prep Overview


- *Perfect* Project Timeline
 - May – July
- Finalize the System Design
- Current State Documentation
- Future State Documentation
- Implementation Checklist/Plan

External Access: Public or Contractor Users



DLCD On Premise





Current and Future State Documentation

- Inventories and Stats
 - Data Library
 - Project/User Files
 - mxd's and Pro projects
 - Applications
 - Data Services
 - External Apps
- Staff Planning
 - Licenses
 - Roles
- Library Structure / File Organization / Naming Conventions

Implementation Checklist



Oregon Department of Land Conservation & Development (DLCD)
GIS Administration Assistance

Oregon DLCD ArcGIS Enterprise Implementation Checklist

The goal of the following is to serve as a checklist of technical items that need to happen for the implementation of the of ArcGIS Enterprise in the DLCD environment.

ArcGIS Enterprise Configuration and Deployment

ID	Task	Resource(s)	Due Date	Status
1	Document and signoff on System Design	DLCD TG	Tue 6/30/20	Complete
2	Planning ODA Enterprise Geodatabase from ODA migration method(s)	Randy Tanya ODA TG	Fri 7/24/20	Complete
3	Planning and preparation for migration of file-based project data	Randy Jon TG	Fri 7/24/20	Complete
4	Prepare Test Plan – need a list of tests we want to do (test categories)	DLCD TG	Fri 7/24/20	Complete
5	Develop a short & long-term Portal rollout and training plan	DLCD TG	Fri 7/24/20	Pending
6	Inventory DLCD applications (spreadsheet) along with adding map services and layers identify public data/applications sources for update to new source	Tanya Rachel	Fri 7/24/20	Complete
7	Procure new hardware for the solution (if required) – Additional storage space.	Jon	Tue 7/14/20	Complete
8	Install configure new storage space	Jon	Tue 7/14/20	Complete
9	Create VM for the “Web Tier”. This server will host IIS, Portal, and ESRI Web Adaptors.	Jon	Mon 7/6/20	Complete
10	Create VM for the “Application Tier”. This server will host Server for ArcGIS and ArcGIS Data Store.	Jon	Mon 7/6/20	Complete
11	Install and configure IIS: <ul style="list-style-type: none">• Install IIS• Configure server bindings• Deploy SSL certificate• Configure external DNS	Jon	Mon 7/6/20	Complete
12	Test traffic to web server (internal and external)	Jon	Mon 7/7/20	Complete
13	Install Portal for ArcGIS	Jon TG	Fri 7/17/20	Complete
	Configure Portal for ArcGIS			

Implementation



Implementation

- Implementation Checklist
 - Adjustments along the way
 - Adding new items to list
 - Adjusting due dates
- Testing
 - Test Plan
 - Examples provided by Timmons
- Coordination with Others
 - OR Dept. of Agriculture
 - GEO – Licensing & Portal Collaboration Setup
 - Folks who host apps for us ex. Oregon Explorer



Implementation

- Prepare documents for GIS Users
 - Provide guidance on Set-Up
 - Network connections
 - How do I find the new GIS Library?
 - Where's the Project files? My data?
 - Provide guidance on new workflows
 - Publishing to Portal
 - Use of Collaboration with AGOL
- Prepare documents for Agency
 - Portal roll-out
 - How will the agency as a whole use and benefit from Portal?
- Governance

Questions?

Contact: Rachel Smith

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