

# Implementing and Supporting the Oregon Public Health Information Network Messaging System (PHINMS)

One developer's perspective.

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Please, everyone, raise your hands  
and keep them up if:

You're responsible for building or installing software  
at your organization.

You generally get complete requirements prior to  
building or installing this software.

Your project's requirements seldom change.

Your projects are, by and large, fully funded.

Your projects are usually on time and on budget.



# VISION



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Department of  
Human Services

# BUDGET



Photo courtesy of <http://www.flickr.com/photos/tmh9/1014165892/>



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## Today's Topics...



- What Oregon identified as PHINMS implementation issues.
- Flexibility in choosing your PHINMS implementation.
- How Oregon implemented PHINMS.
- Questions and answers.



## So, how did Oregon Implement PHINMS &



...insure we can serve all our partners?

...respect our partner's budgets?

...be responsive to change?

...support other strategic PHIN initiatives?

...guarantee we can scale when needed?



## Serving all of our partners:



- Some large, but many are small.
- Some with budget, but most have limited funds.
- Many without dedicated IT resources
- All work within the same network infrastructure.



## Respecting budgets:



- Be creative.
- Seek out collaborative opportunities.
- Be flexible.



## Being responsive to change:



- Process for adding a message stream.
- Process for changing a message stream.
- Process for problem resolution.
- Annual process for certificate renewal.



## Support other PHIN initiatives:

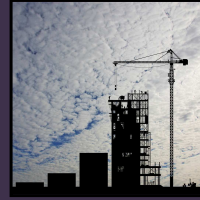


- PHIN certification
- PHIN directory exchange
- Case notification (Lead, TB, Varicella, Hepatitis)
- Lab reporting





# Scalability:

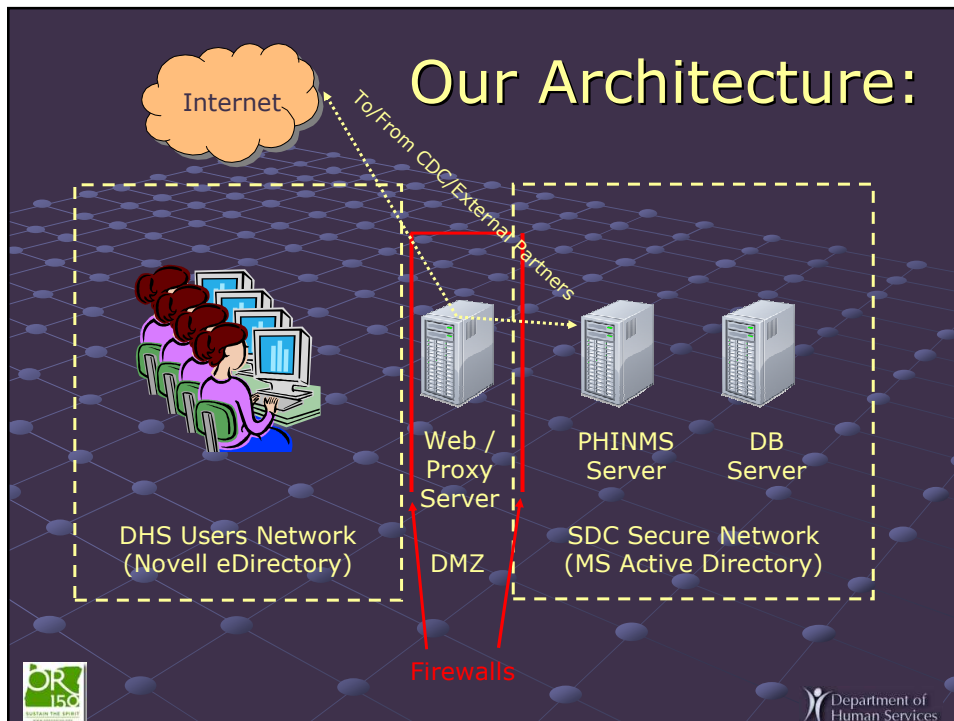


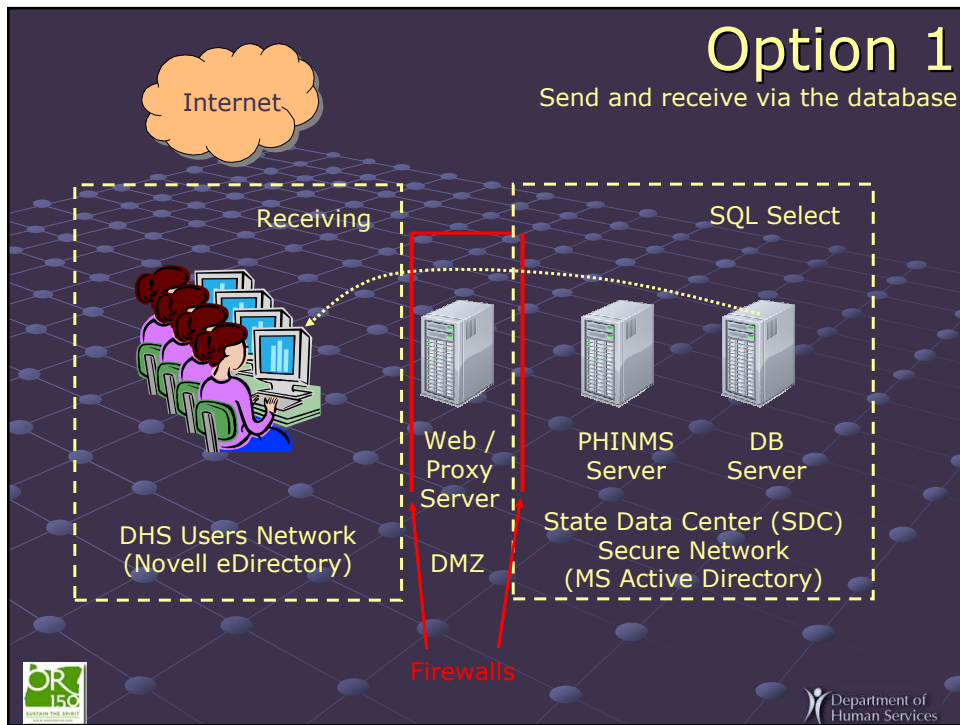
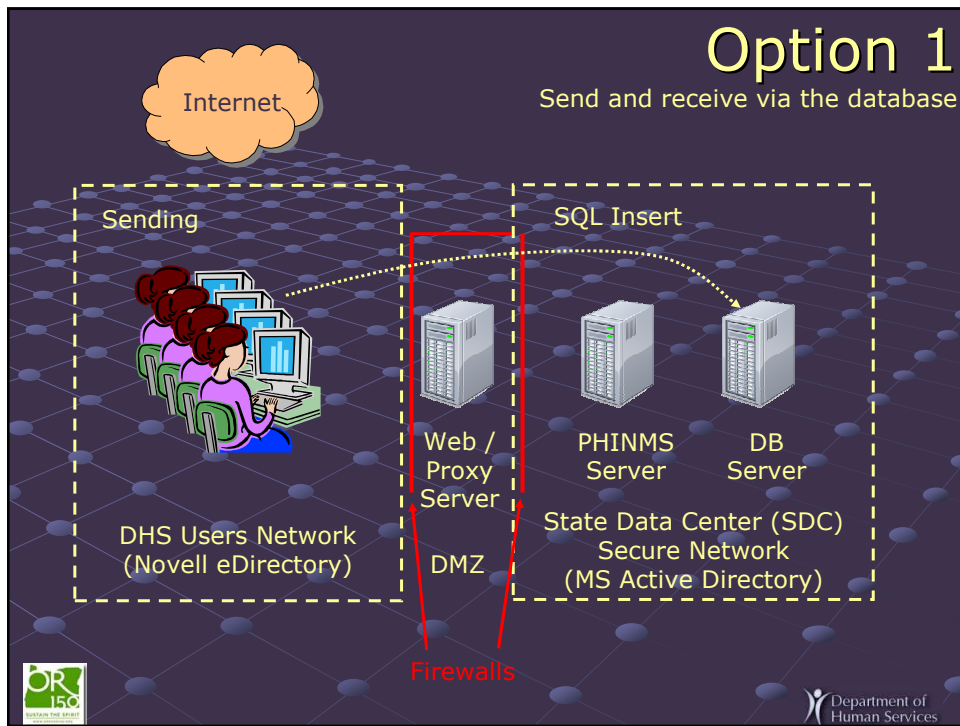
- N Tier implementation scales easily with additional hardware.
- Keep areas of responsibility clear and separate.
- Profile your system performance when you perceive a bottleneck.
- Modify and test your changes prior to introducing them into production.

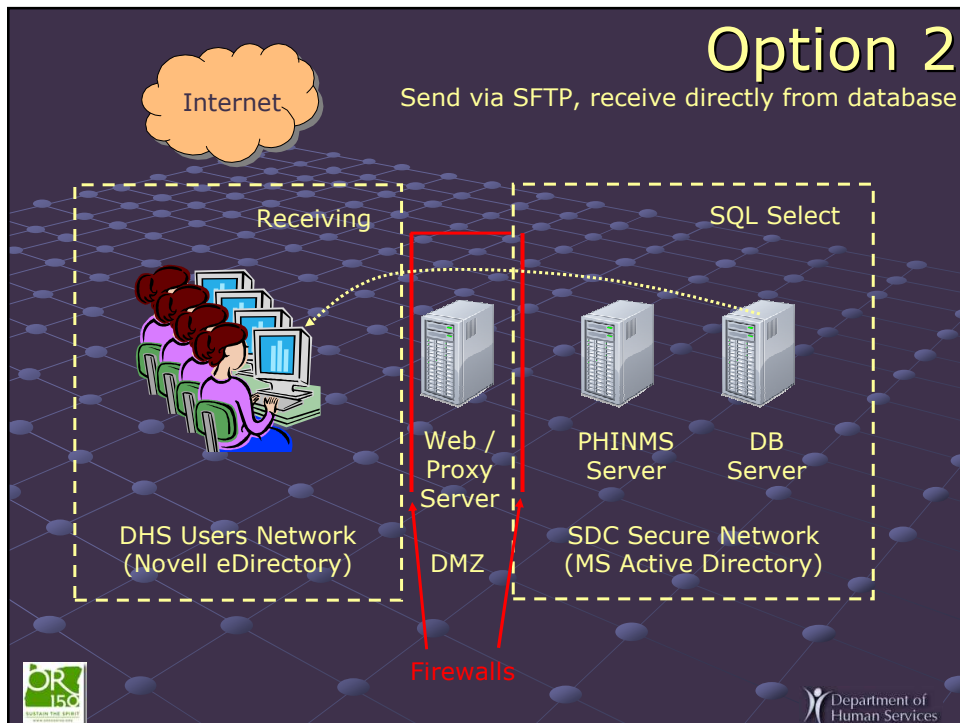
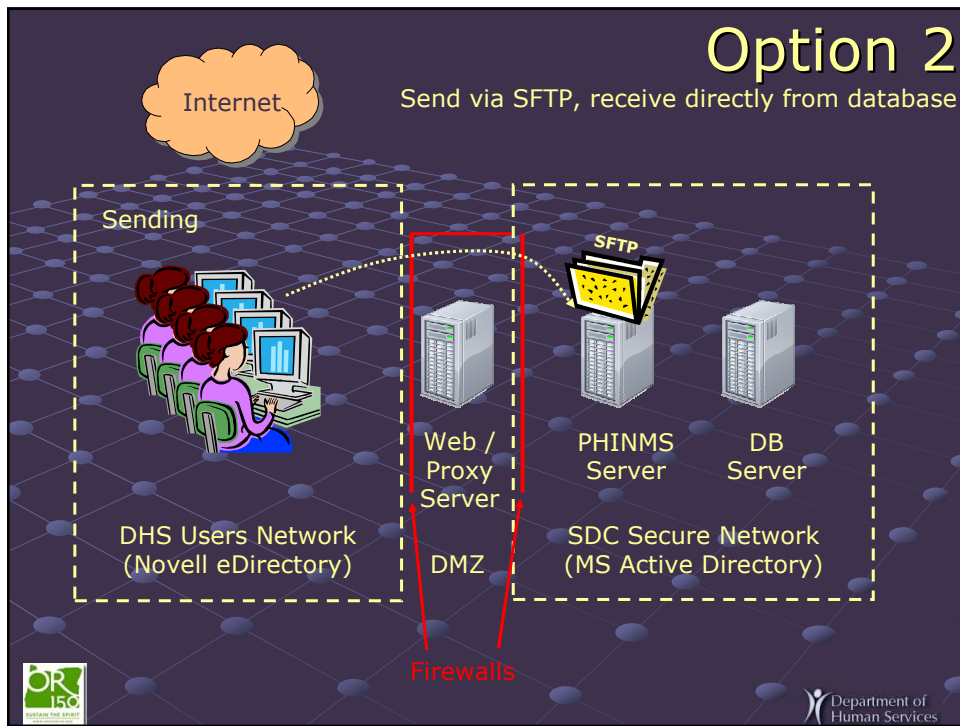


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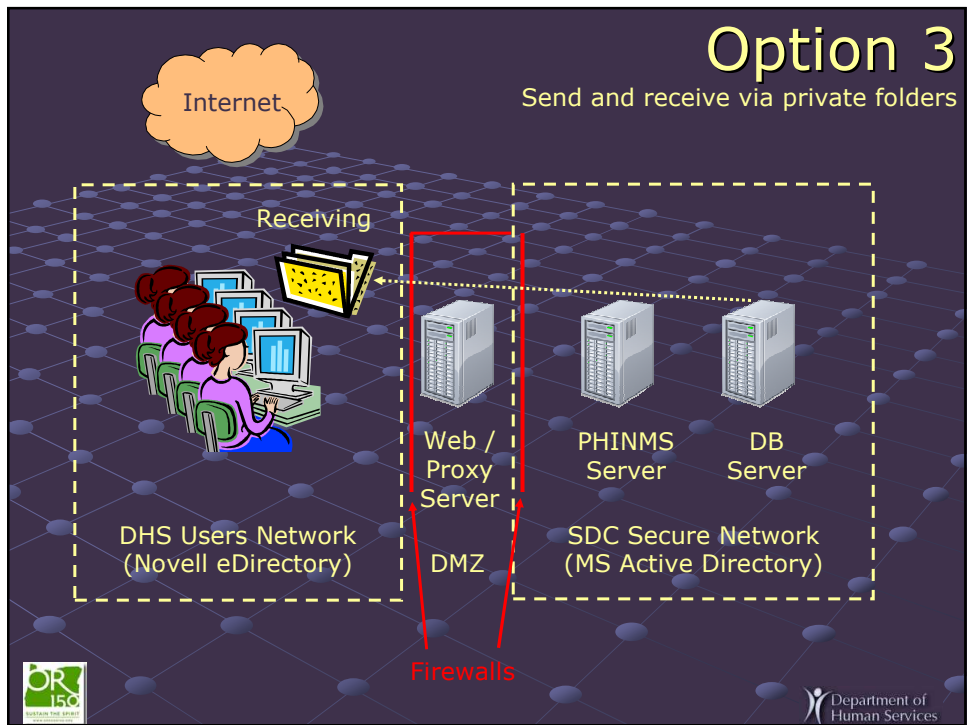
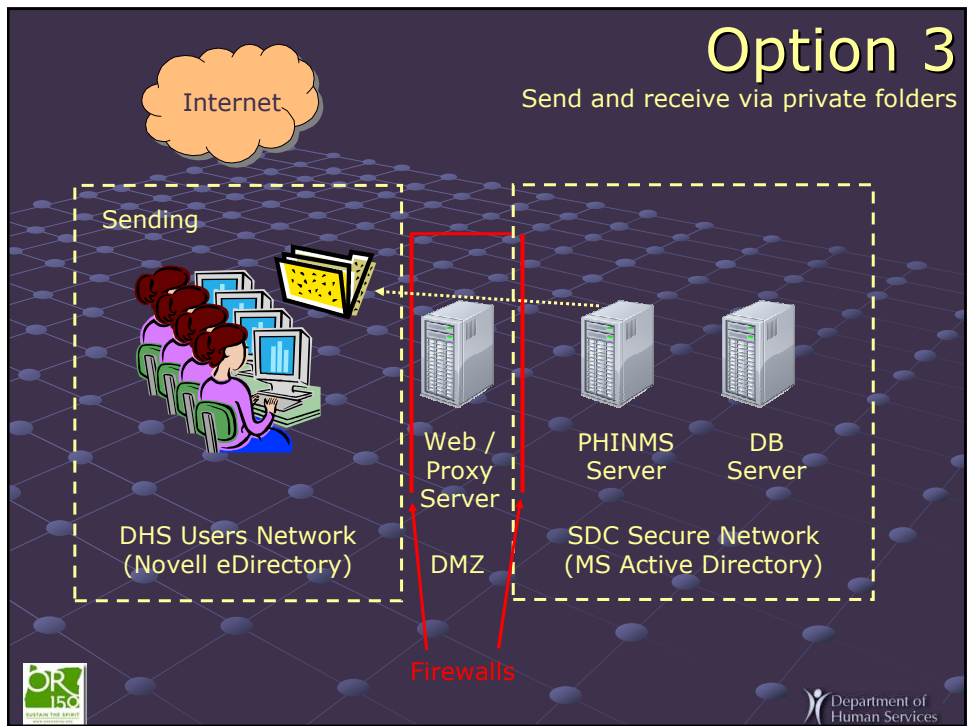
# Our Architecture:

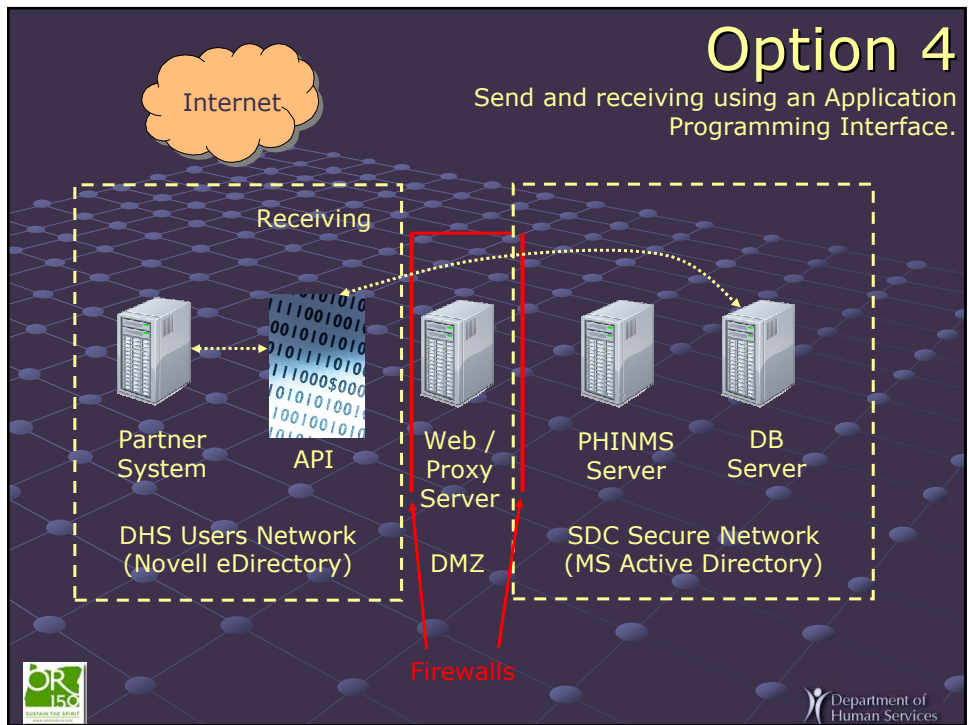
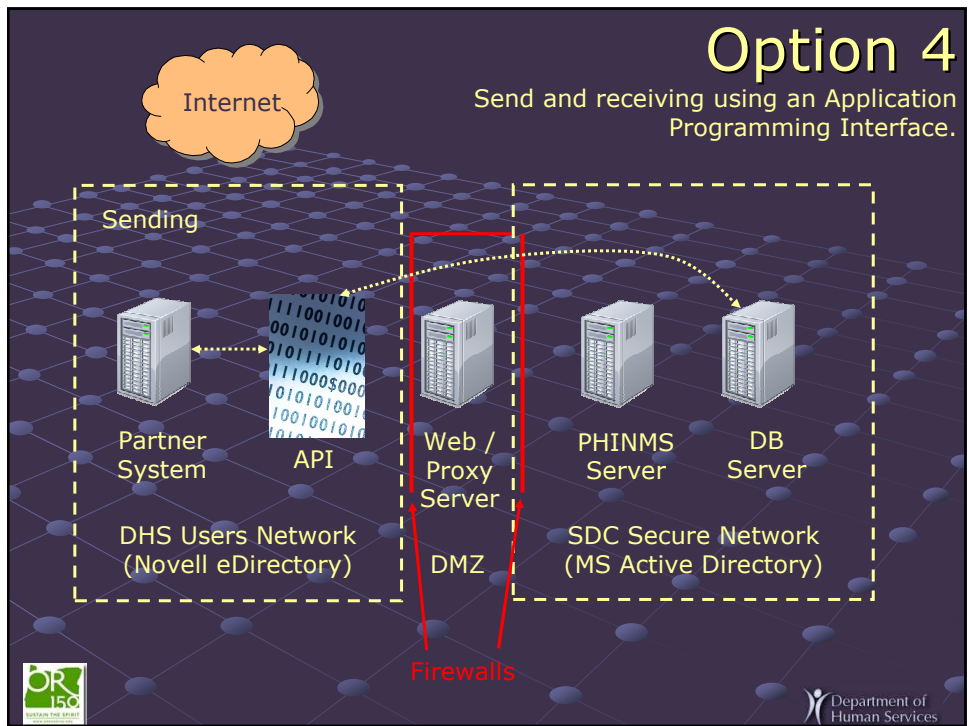


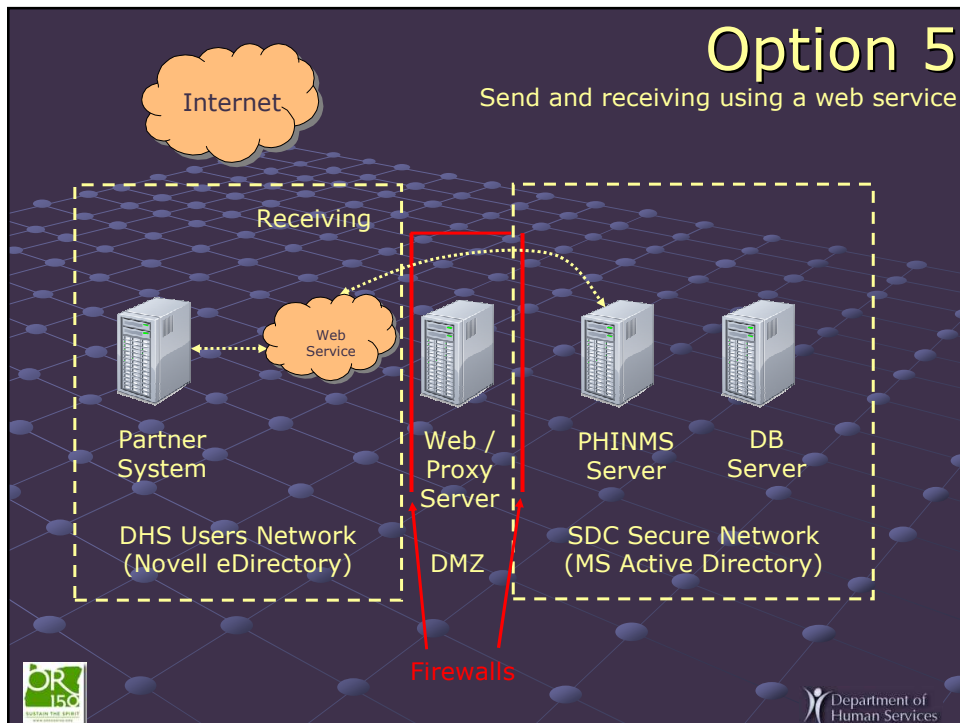
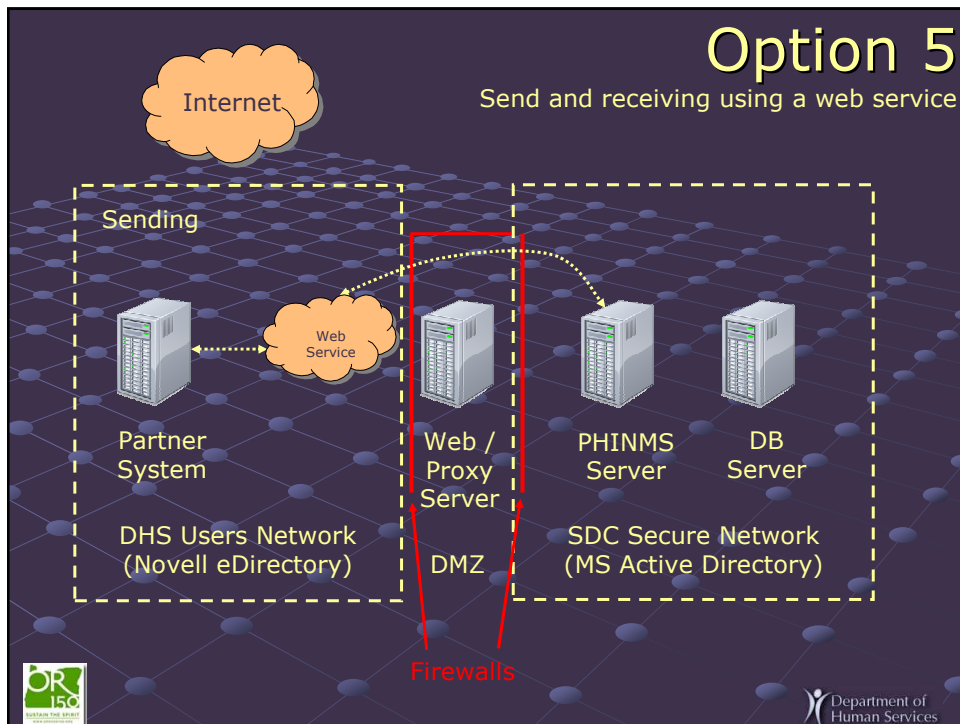


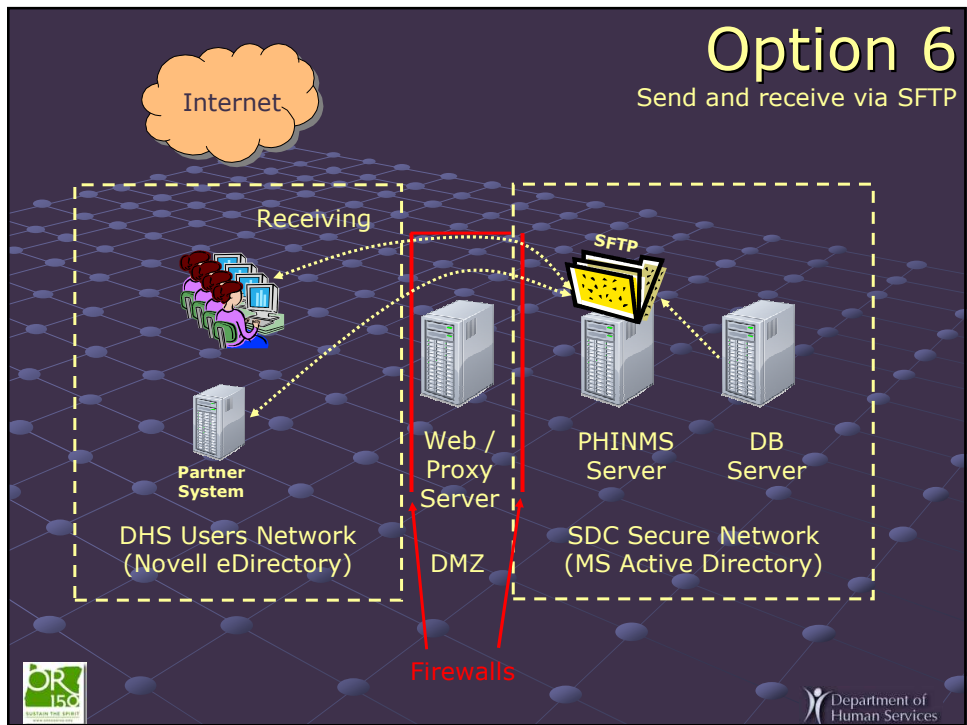
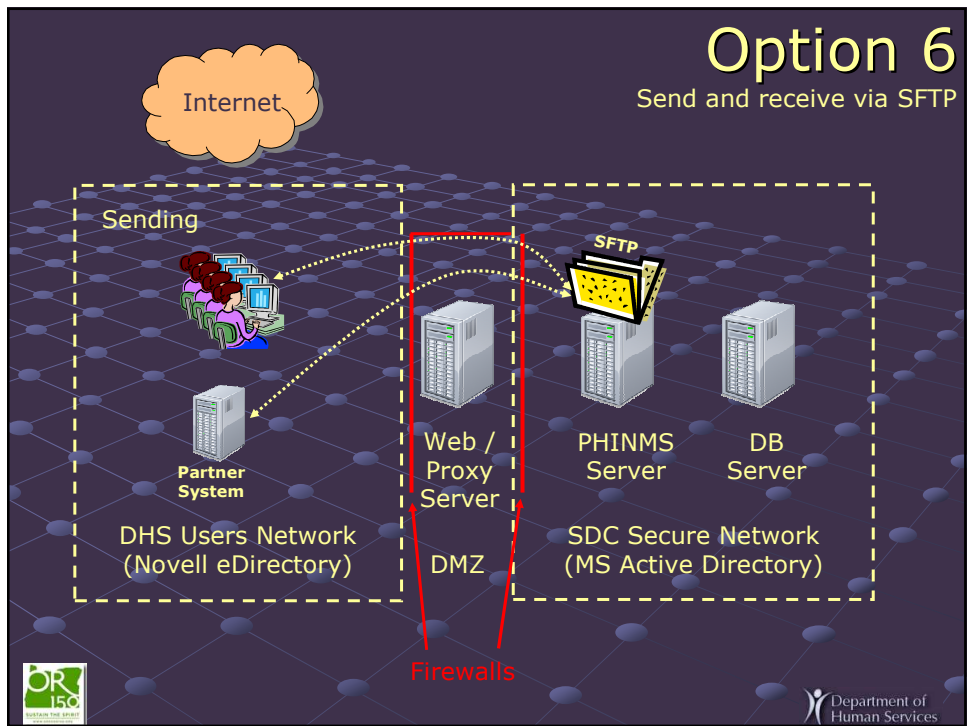




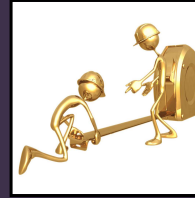








## Summary:



- Communicate with your partners.
- Talk to your infrastructure folks.
- Formulate and evaluate the pros and cons of all of your options.
- Present those options to your partners.
- Facilitate gathering consensus on choosing one of these options.



## Acknowledgements:



- AMS-PH Developers.
- Oregon OIS management.
- Oregon central PHINMS workgroup.
- CDC PHINMS teams.
- Acute and communicable disease partners.
- Immunization partners.
- Oregon EPHT partners.
- Oregon State Data Center.



# Useful Resources:



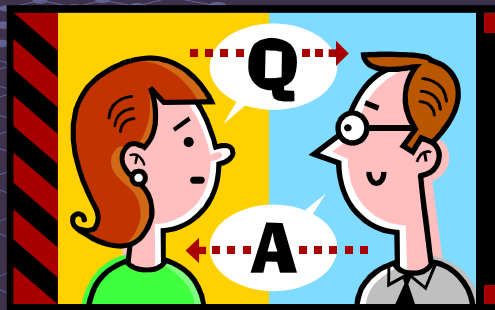
PHINMS Product Web Site  
<http://www.cdc.gov/phinf/phinms>

PHINMS User's Group Meeting  
4<sup>th</sup> Thursday Monthly, 1-2pm ET

PHINMS User's Group Forum  
<http://team.cdc.gov>  
For access, email:  
[tjones4@cdc.gov](mailto:tjones4@cdc.gov)



# Questions?



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