Campus Network Best Practices: Hints on Network Diagrams

Dale Smith Network Startup Resource Center dsmith@nsrc.org

This document is a result of work by the Network Startup Resource Center (NSRC at http://www.nsrc.org). This document may be freely copied, modified, and otherwise re-used on the condition that any re-use acknowledge the NSRC as the original source.





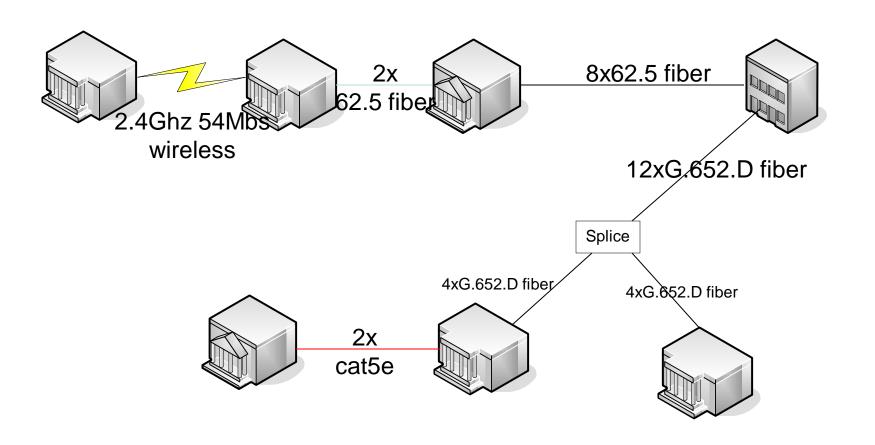
Network Diagram Hints

- Use separate diagrams for separate layers
 - Physical (cabling)
 - Switching (layer 2)
 - Routing (layer 3)
 - Frequently can combine Switching/Routing
- Helpful to have the physical diagram be an overlay on your campus map to show relations and distances between buildings
- If you combine layer 2/3, make it clear where you are switching and where you are routing





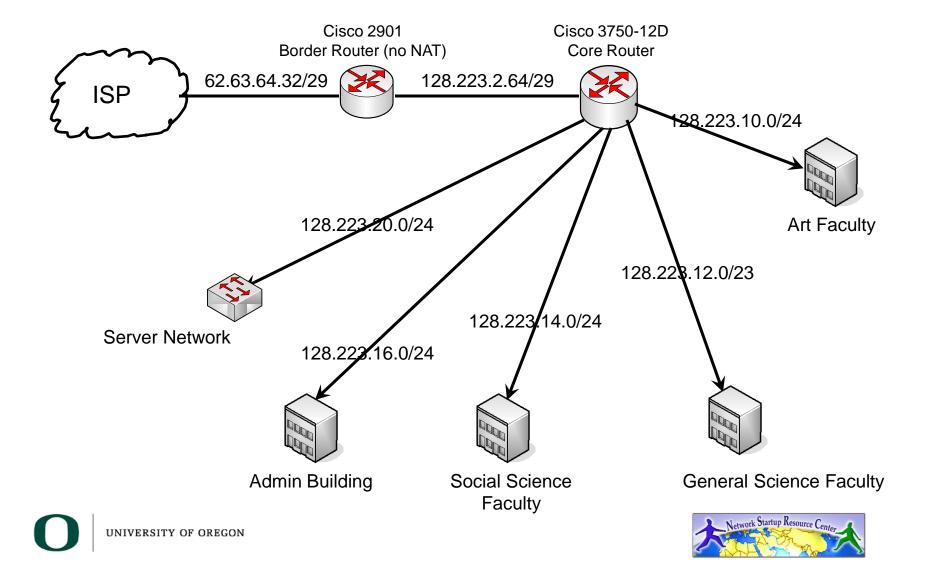
Sample Physical Diagram



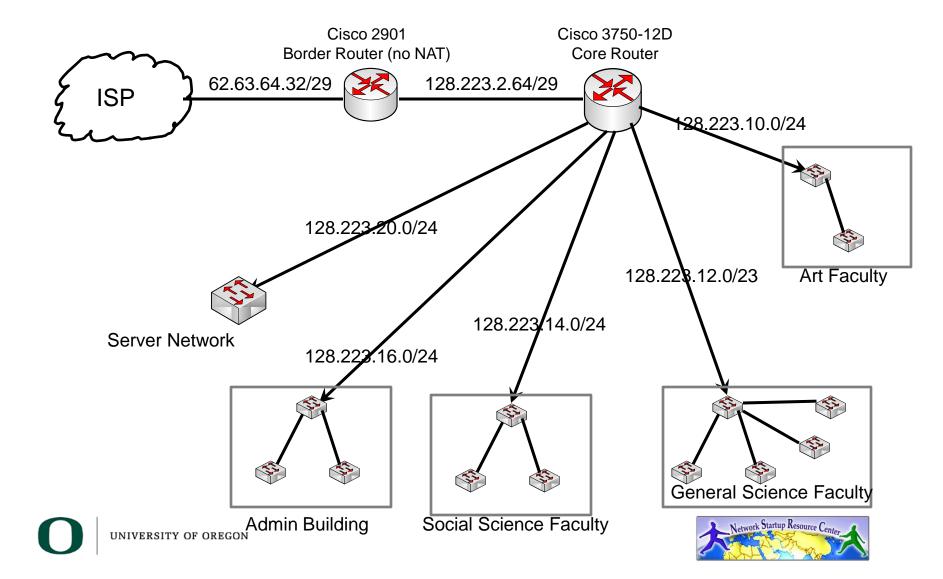




Sample Layer 3 Diagram



Sample Layer 2/3 Diagram



Questions?

This document is a result of work by the Network Startup Resource Center (NSRC at http://www.nsrc.org). This document may be freely copied, modified, and otherwise re-used on the condition that any re-use acknowledge the NSRC as the original source.



