



# NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

September 23 – 25, 2019 | Minneapolis, MN

**NSF Program (either CC or CICI): CC**

**Program Area: Integration      Award Number: 1925550**

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**Project Title:** Archipelago - Linking Researchers On-campus  
and in the Cloud through SDN-Enabled Microsegmentation



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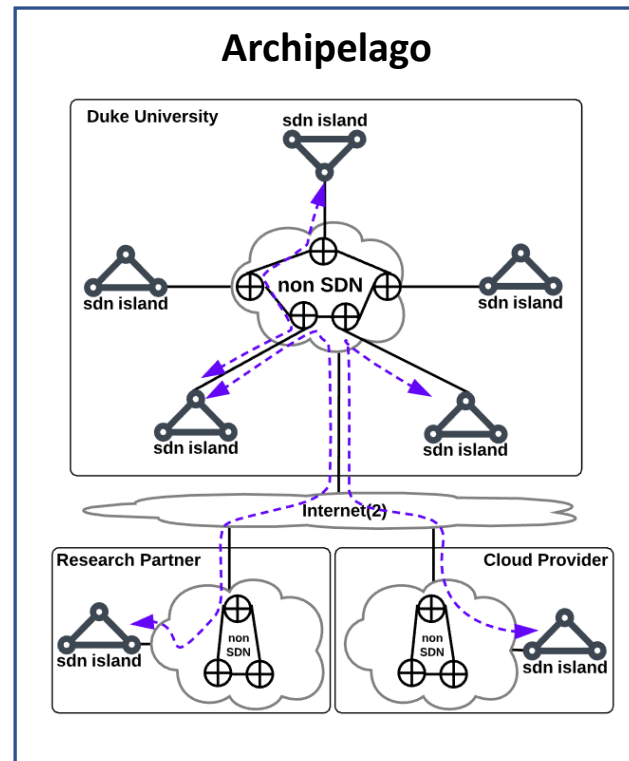
## Quad Chart for: Duke University - Archipelago: Linking Researchers On-Campuses and in the Cloud through SDN-Enabled Microsegmentation

### Challenge Project Seeks to Address:

Archipelago seeks to improve the performance and security of computer networks to make it easier and less costly for scientists to move, store, and analyze their data that works within a Science DMZ architecture, but does not require a full overlay build of a Science DMZ.

### Deliverables:

Archipelago will provide architectural plans and software in support of an advanced hybrid traditional + SDN network. It will enable numerous applications in support of research and enhanced cybersecurity, such as microsegmentation, network admission control and many others which will be described during the scheduled workshop presentation.



### Broader Impact:

Archipelago delivers a hybrid architecture that places SDN features within reach of a broader set of university and college campuses while aggressive microsegmentation and flow optimization simultaneously improve performance and cybersecurity for any institution, large or small.

### Metadata:

<https://sites.duke.edu/archipelago>

Presentation has been proposed for Internet2 Global Summit but is pending notification.