



NSF Campus Cyberinfrastructure PI and  
Cybersecurity Innovation for Cyberinfrastructure PI Workshop  
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**NSF Program (either CC or CICI): CC\***

**Program Area:**

**Award Number: 1925476**

**PI: Eric Boyd**

**co-PIs:** J. Alex Halderman, Shawn McKee

**Project Title:** NetBASILISK: NETwork Border At Scale Integrating  
and Leveraging Individual Security Components



**Eric Boyd**

Director of Networks  
University of Michigan  
[ericboyd@umich.edu](mailto:ericboyd@umich.edu)



**Shawn McKee**

Research Scientist  
University of Michigan  
[smckee@umich.edu](mailto:smckee@umich.edu)



## Quad Chart for:

## ***NetBASILISK: NETwork Border At Scale Integrating and Leveraging Individual Security Components***

### Challenge Project Seeks to Address:

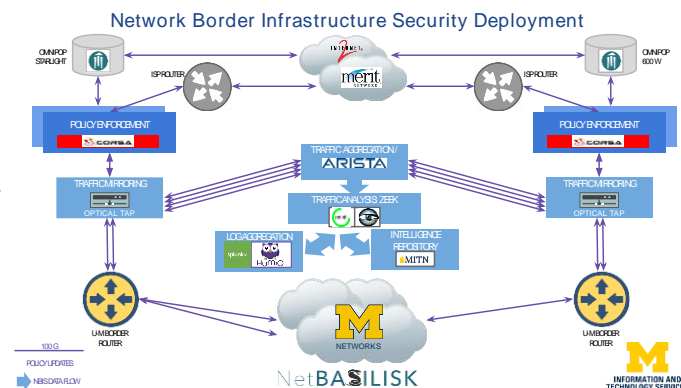
*To build a Zeek-based network border security solution at scale capable of securing 4x100G while enabling data intensive science, data intensive network measurement, and innovative anti-censorship refractive networking.*

### Solution(s) or Deliverables:

Deploy NetBASILISK in production as border security solution. Quantify the impact of the NetBASILISK project on the LHC, cryo-EM, and Internet monitoring  
Enable deployment of an anti-web censorship framework.

### Scientific Impact or Broader Impact:

Publish network architecture, open source software, and processes. Publish privacy principles and practices. Package open source software for easy and flexible implementation. Contribute relevant findings/code to the open source Zeek project. Influence next generation of implementation at Corsa and Corelight.



### Metadata tag:

Initial architecture complete. Some components deployed. Active filtering at border using Corsas. Revising Zeek / MiTN integration architecture. Revising architecture for HA. Beginning to work with researchers to quantify impacts.

# NetBASILISK