



Sandia  
National  
Laboratories

# Birds of a Feather: Cross Domain Transfer Solutions



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Who I Am

What is a Cross Domain Transfer Solution

What is the NCDSMO

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Discussion

# Who I Am

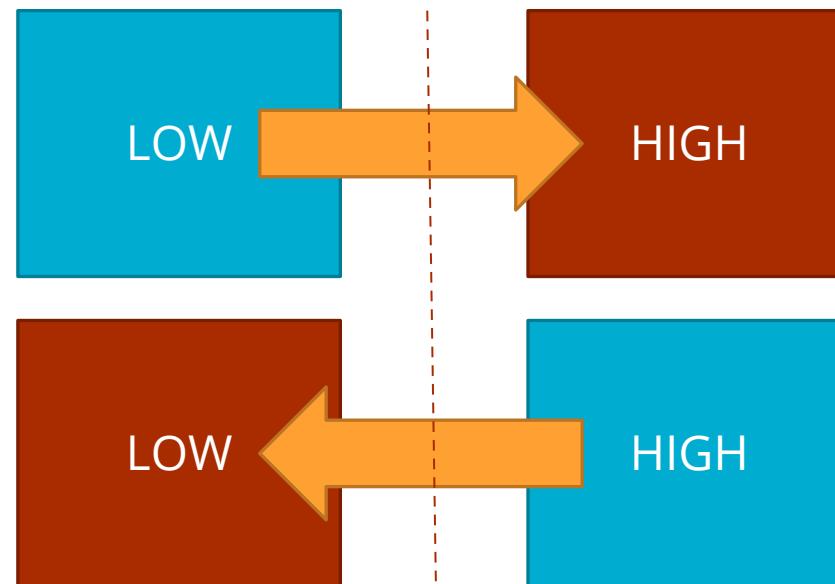


- Nick Bachicha
  - Cyber Assurance Architect
  - Lead Enterprise Cross Domain Transfer Solutions at Sandia National Laboratories
  - 15+ Years as a Software Developer
  - 5+ Years DevSecOps

# What is a Cross Domain Transfer Solution



Cross Domain Transfer Solutions move data between two or more security domains most often networks. They can operate using One-Way Data Diodes, Sneakernet or other similar methods.





# What is the NCDSMO?

NSA's National Cross Domain Strategy & Management Office (NCDSMO) is the focal point for U.S. Government cross domain capabilities and mission needs.

Established under the authority of Executive Order 12333 and National Security Directive 42

What the NCDSMO Does:

- Oversee cross domain activities across the U.S. Government, ensuring a common approach
- Advise the Chief Information Officers of federal agencies on issues related to cross domain solutions
- Develop and operate cross domain community outreach programs and forums
- Develop guidance and technologies to improve the security and capabilities of cross domain solutions
- Develop and maintain the security requirements for cross domain solutions used by the U.S. Government and Foreign Military Sales Program
- Oversee the Cross Domain Solutions Testing Program
- Operate a Cross Domain Threat Intelligence Activity to research and disseminate threats to cross domain solutions

"National Cross Domain Strategy & Management Office Homepage." *National Cross Domain Strategy & Management Office*, <https://www.nsa.gov/Cybersecurity/Partnership/National-Cross-Domain-Strategy-Management-Office/>.

# What is Raise the Bar



Raise the Bar is a strategy for improving cross domain solution security and capabilities from a design, development, assessment, implementation, and use perspective. The scope of the strategy includes cross domain solutions, Raise the Bar is intended to apply to and address improving the cybersecurity of all cross domain solutions used to protect U.S. Government classified information and all cross domain solutions being sold for export.

It is a list of guidelines that improve CDS capabilities recommended from the NCDSMO.

The NCDSMO maintains a list on their website of Raise the Bar compliant products for Cross Domain Transfer and Access Solutions.

## Learn More



Go to the NCDSMO Website

<https://www.nsa.gov/Cybersecurity/Partnership/National-Cross-Domain-Strategy-Management-Office/>

Reach out to me I am happy to share resources I have found.

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The National Labs have a unique problem set that is different from the common CDS customer.



# What is your Laboratory doing?

**Please keep discussions and questions at the appropriate level.**

**Reach out to me!**  
**[ndbach@sandia.gov](mailto:ndbach@sandia.gov)**