Workforce Development > NICE Framework Mapping Tool

NICE Framework Mapping Tool

The Workforce Framework for Cybersecurity (NICE Framework) Mapping Tool takes the guesswork out of using the NICE Framework - simply answer questions about each cybersecurity related position and the tool will show you how each position aligns to the NICE Framework and what can be done to strengthen your cybersecurity team. Click the button below to access the complete user guide for the NICE Framework Mapping Tool.

Download User Guide

The tool will:

Help you inventory your cyber workforce and begin workforce planning

Enable you to print out a report to use for workforce development

Prepare to report OPM cyber position coding ("OPM Data Element" requirements)

Determine the skills and type of training your team needs

See where your staff may be underutilized

Add a Job Description

Continue from previous session

Enter the Session ID from your previous session to continue from where you left off.

Your Session ID is required to load previous sessions *

| Enter Your Session ID | **Submit** |

Additional Resources

- Cybersecurity Workforce Framework
- NICCS Education and Training Catalog

This tool is based on the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework (NIST Special Publication 800-181 ⊡, August 2017) and revisions published in late 2020 renaming the framework as the Workforce Framework for Cybersecurity (NIST Special Publication 800-181 Rev. 1, November 2020). Please visit the NICE Framework Resource Center ⊡ for more information, as well as the latest updates ⊡.

We value your feedback and welcome any suggestions you may have to help us improve the NICE Framework Mapping Tool. Please contact us at NICCS@hq.dhs.gov ✉.

Paperwork Reduction Act

OMB Control Number: 1670-0027
Expiration Date: 05/23/2024
View Information Collection Review ⊡

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OMB Control Number: 1670-0027 Expiration Date: 05/24/2024

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Mapping Tool
Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean. A small river named Duden flows by their place and supplies it with the necessary regelialia. It is a paradisematic country, in which roasted parts of sentences fly into your mouth.

Please choose from the follow options:
○ Federal Government
◉ Other (Private Sector, Industry, Academia, Local Government, Individual)

Tell us about the position:

Position Description (optional)

Enter Description

System will use the Position Description keywords to suggest potential Position Title

Position Title*

cybersecurity analyst

Click here for the OPM Handbook Job Titles.

Location

Alabama
Alaska
Arizona
Arkansas
California

Location by States and U.S. Territories

Status Position

Occupied
Vacant - Candidate Selected
Vacant - No Action Underway
Vacant - Under Active Recruitment

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Federal Government (User)

Are you mapping an existing job that has been classified? (i.e. do you have an OPM series and job number)

| YES | NO |

Will be presented if user answers "yes"

Series* [ ]   **Job Number*** [ ]

Government Department or Agency *

| DHS |
| DOD |
| DOJ |
| etc. |

Capture Government Department & Agency List TBD by BlueWater

Division/ Sector/ Component *

(ie. NPPD, Army, Navy)

User can enter the Component & Devision

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Framework Input Fields (Federal User & Private Sector)

Select the statements below that best describe this position's work at a high level *
(Categories)

- ☐ Designs or builds secure systems and/or has responsibility for some aspect of the systems' development.
- ☑ Identifies, analyzes, and/or mitigates threats to internal systems or networks.
- ☑ Investigates cyber events or crimes related to systems, networks, or digital evidence.
- ☐ Leads or manages so the organization may effectively conduct cybersecurity work.
- ☑ Provides administration and maintenance necessary for system performance and security.
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- ☑ Provides administration and maintenance necessary for system performance and security.

[annotation] rework "Category" Descriptions need to be more digital, evidence. current Limit c3e Categories r.

[annotation] Specialty Areas: Investigate UX Options to best present options to user. Limit to Specialty Areas.

Select the statements below that most specifically describe the position's work* (Specialty Areas)

[dropdown ▼]

Analyzes threat information from multiple sources, disciplines, and agencies across the Intel
Analyzes collected information to identify vulnerabilities and potential for exploitation.
Applies current knowledge of one or more regions, countries, non-state entities, and/or

Add Filter option:

[dropdown ▼]
Intelligence
Occupational
Series #options

[annotation] Keith Hall recommendation: Add a selection for government user. 0100 - 0300 Job Series, and 511 or 811 IT workforce or Supporting To better suggest Task and KSA

Select the statements below that most specifically describe the position's work * (Task)

[dropdown ▼]

Analyzes threat information from multiple sources
Analyzes collected information to identify
Applies current knowledge of one

[annotation] Limit: TBD based on algorithm.

Select all knowledge, skills, or abilities possessed by this position* (KSA)

[dropdown ▼]

Analyzes threat information from multiple sources
Analyzes collected information to identify
Applies current knowledge of one

Analyze Specialty areas responsible for highly specialized review and evaluation of incoming cybersecurity information to determine its usefulness for intelligence.

Collect and Operate Specialty areas responsible for specialized denial and deception operations and collection of cybersecurity information that may be used to develop intelligence.

Investigate Specialty areas responsible for the investigation of cyber events and/or crimes of IT systems, networks, and digital evidence.

Operate and Maintain Specialty areas responsible for providing the support, administration, and maintenance necessary to ensure effective and efficient IT system performance and security.

Oversight and Development Oversight and Development - Specialty areas providing leadership, management, direction, and/or development and advocacy so that all individuals and the organization may effectively conduct cybersecurity work.

Protect and Defend Specialty areas responsible for the identification, analysis, and mitigation of threats to internal IT systems or networks.

Securely Provision Specialty areas concerned with conceptualizing, designing, and building secure IT systems, with responsibility for some aspect of the systems' development

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Continue from an existing session:

File Import *

Import CSV or XML file from local computer.

[Browse]

Users can continue from an existing session, all Position Descriptions (PD) can be saved and aggregated on single file.

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