



William Newhouse

National CyberSecurity Workforce Framework

Technical Track: Beginner

The National Cybersecurity Workforce Framework lists and defines 32 specialty areas of cybersecurity work (within 7 categories) and provides a description of each specialty area. The Workforce Framework identifies common tasks and knowledge, skills, and abilities (KSA's) associated with each specialty area, and is being used as guidance by the federal government, academia, and industry who have used the workforce framework to describe cybersecurity work and workforces, and related education, training, and professional development. This session will highlight the value of the workforce framework as a central reference for any cybersecurity initiative that focuses on workforce, education, or training. Additionally, the session will include updates on the strategic goals of NICE.

Biography

Bill Newhouse is a cybersecurity convener at the National Institute of Standards and Technology (NIST). As part of the National Initiative for Cybersecurity Education (NICE) Program Office at NIST, he leads and promotes efforts to develop an educational pipeline that provides opportunities for today's students to aim for cybersecurity careers while also focusing on cybersecurity workforce development that will allow our nation to provide the cybersecurity capabilities to protect our information and the systems connected to our information systems.

In addition to NICE, Mr. Newhouse promotes cybersecurity R&D efforts as a co-chair of a Federal cybersecurity interagency working group and as a regular representative to other federal interagency cybersecurity R&D working groups.

Before coming to NIST in 2010, Bill spent five years in the Office of the Secretary of Defense where he worked initially with the Assistant Secretary of Defense for Research and Engineering (ASD(R&E)) and then with the Office of the Chief Information Officer for Identity and Information Assurance focused on cybersecurity R&D and technology discovery. Bill led the Defense Venture Catalyst Initiative (DeVenCI) to focus on innovative companies working in areas that had the potential to improve cybersecurity.