





## NIST CSF 2.0 Category Breakdown

### GOVERN (GV)

The GOVERN Function provides outcomes to inform what an organization may do to achieve and prioritize the outcomes of the other five Functions in the context of its mission and stakeholder expectations. NIST defines this Function as “the organization’s cybersecurity risk management strategy, expectations, and policy are established, communicated, and monitored.”

The Cisco Security portfolio and Splunk help streamline the governance process by offering comprehensive data analytics, reporting capabilities, and policy management features to ensure adherence to cybersecurity regulations and standards.

### IDENTIFY (ID)

The purpose of the IDENTIFY function as defined by NIST is “the organization’s current cybersecurity risks are understood.” Understanding the organization’s assets (e.g., data, hardware, software, systems, facilities, services, people), suppliers, and related cybersecurity risks enables an organization to prioritize its efforts consistent with its risk management strategy and the mission needs identified under the GOVERN Function.

That’s why Cisco Security and Splunk deliver critical discovery capabilities; that is, identifying and categorizing systems, assets, and data on a continuous basis.

### PROTECT (PR)

NIST defines the PROTECT Function as “Safeguards to manage the organization’s cybersecurity risks are used.” Once assets and risks are identified and prioritized, the PROTECT function supports the ability to secure those assets to prevent or lower the likelihood and impact of adverse cybersecurity events, as well as to increase the likelihood and impact of taking advantage of opportunities.

Cisco supports the PROTECT Function with the advanced capabilities that enforce and harden security controls before the inevitable cyberattack attack occurs.

## Conclusion

Cisco provides one of the industry’s most comprehensive advanced threat protection portfolios of cybersecurity products and solutions. Our approach reduces complexity, while providing superior visibility, continuous control, and advanced threat protection across the extended network. Or mission is truly effective security, which is exactly in line with the NIST CSF 2.0.

### DETECT (DE)

NIST defines the DETECT Function a “possible cybersecurity attacks and compromises are found and analyzed”. The DETECT Function enables the timely discovery and analysis of anomalies, indicators of compromise, and other potentially adverse events that may indicate that cybersecurity attacks and incidents are occurring. Many cybersecurity incidents go unnoticed for months, allowing hackers ample time to explore your network, locate sensitive information, and then slowly and carefully exfiltrate it. Cisco defines Time-To-Detection (TTD) for malware analysis as the window of time between the first observation of a file and the detection of an actual threat.

The Cisco Security portfolio and Splunk continually seeks to reduce the Time to Detect (TTD) so that our customers can detect cyber incidents faster than ever.

### RESPOND (RS)

NIST defines the RESPOND Function as “Actions regarding a detected cybersecurity incident are taken.” The RESPOND Function supports the ability to contain the effects of cybersecurity incidents. The RESPOND Function is a bit like an insurance policy. No one ever wants to use it, but you have it for when disaster strikes. The likelihood of a cyberattack affecting your organization is extremely high.

Your organization might have already been breached, but simply have not discovered it yet. The RESPOND Function helps organizations develop and implement appropriate activities to act regarding a detected cybersecurity event.

Cisco has the capabilities and guidance you need to respond effectively to detected incidents.

### RECOVER (RC)

NIST defines the RECOVER Function as “assets and operations affected by a cybersecurity incident are restored”. The Recover Function supports the timely restoration of normal operations to reduce the effects of cybersecurity incidents and enable appropriate communication during recovery efforts. The RECOVER Function also maintains plans for resilience and restores any capabilities or services that were impaired due to a cyber security event. It supports timely recovery to normal operations to reduce the impact from a cybersecurity event, and helps your organization build lessons learned back into your cybersecurity operations.

The Cisco Security portfolio and Splunk enable rapid incident recovery through automated threat detection, response capabilities, and comprehensive data analysis.

Cisco helps facilitate the execution of recovery plans by providing insights and tools necessary for restoring systems and services quickly and effectively after a cybersecurity incident.

Cisco will help you pull all the components together to establish your continuous security life cycle program. With Cisco, you can adopt the NIST CSF Framework, and bolster cybersecurity readiness and resiliency.

For more information on cisco Security, please visit: [www.cisco.com/go/security](http://www.cisco.com/go/security)