The 20 Critical Controls provide effective computer and network defense, making the process inexpensive, scalable, and reliable throughout the U.S. government, in the software industry, and in other organizations that have complex information systems and systems to protect. It is based on actual threats. The controls were selected by a consensus of experts in the U.S. government to address the threats that are most critical for stopping cyber attacks. Only one other security framework is based on threat. The 20 Critical Security Controls were published by the Australian Signals Directorate & the United States National Security Agency (NSA). This book offers a snapshot of the purpose and main features of each of the 20 Critical Controls.

The categories of the 20 Critical Controls are:

- **Critical Security Controls**
- **Security Control Description**
- **National Security Agency Assessment of the 20 Critical Controls**
- **Acquisition of NIST Special Publication 800-53**

**The Australian Government’s Strategies to Mitigate Targeted Cyber Intrusions**

After the success in 2015 of the Australian Government’s Strategies to Mitigate Targeted Cyber Intrusions, the Australian Signals Directorate (ASD) and the Australian Government’s Chief Information Security Officer (CISO) have released the “Cybersecurity Strategic Framework” (CSF) to provide a comprehensive framework for managing cybersecurity risks.
# Building Successful Careers in Cyber Security

The U.S. National Initiative for Cybersecurity Education (NICE) Framework and the SANS Institute Training, Education, and Certification Programs

## Security Roadmap

**WINTER 2012 – 2013 EDITION**

Building Successful Careers in Cyber Security

AND

20 Critical Security Controls for Effective Cyber Defense

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