



Systems Software Integrator (SSI)

Selected References

Candidates are NOT permitted to bring references into the test center.

Test questions are developed based on experiential knowledge, skills, and abilities by a committee of subject matter experts. These questions are then validated against at least one peer-reviewed industry reference.

The following publications are the primary resources used to validate the items on the SSI exam. These resources can reinforce some of the job knowledge required by a Systems Software Integrator.

1. NIST Cybersecurity Framework (CSF), version 2.0
<https://www.nist.gov/cyberframework>
2. NIST SP 800-53: Security and Privacy Controls for Information Systems and Organizations, Rev. 5
<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-53r5.pdf>
3. NIST SP 800-37: Risk Management Framework for Information Systems and Organizations, Rev. 2
<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-37r2.pdf>
4. NIST SP 800-218 Secure Software Development Framework (SSDF): Recommendations for Mitigating the Risk of Software Vulnerabilities, version 1.1
<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-218.pdf>
5. NIST SP 800-161r1: Cybersecurity Supply Chain Risk Management Practices for Systems and Organizations, Rev. 1
<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-161r1.pdf>
6. NIST SP 800-160 Volume 1: Engineering Trustworthy Secure Systems, Rev. 1
<https://www.nist.gov/privacy-framework/nist-sp-800-160-vol-1>
7. Software Supply Chain Security: Securing the End-to-End Supply Chain for Software, Firmware, and Hardware, 1st Edition, Cassie Crossley
<https://www.amazon.com/Software-Supply-Chain-Security-End/dp/1098133706>
8. Software Architect's Handbook, 1st Edition, Joseph Ingono
<https://www.amazon.com/Software-Architects-Handbook-implementing-architecture/dp/1788624068>
9. Pro Git: Everything You Need to Know about GIT, v2.1.428, Scott Chacon & Ben Straub
<https://git-scm.com/book/en/v2>
10. EO 14028: Executive Order on Improving the Nation's Cybersecurity
<https://www.whitehouse.gov/briefing-room/presidential-actions/2021/05/12/executive-order-on-improving-the-nations-cybersecurity>
11. IEEE 829-2008: Standard for Software and System Test Documentation
<https://ieeexplore.ieee.org/document/4578383>
12. IEEE 1012-2016: IEEE Standard for System, Software, and Hardware Verification and Validation
<https://standards.ieee.org/ieee/1012/5609/>
13. IEEE 828-2012: Standard for Configuration Management in Systems and Software Engineering
<https://standards.ieee.org/ieee/828/5367/>
14. IEC 31010-2019: Risk management – Risk assessment techniques
<https://www.iso.org/standard/72140.html>
15. Effective Methods for Software and Systems Integration, Boyd L. Summers
<https://archive.org/details/effectivemethods0000summ>
16. Delivering effectively on large engineering projects, 2023, Proceedings of the National Academy of Sciences
<https://academic.oup.com/pnasnexus/article/2/9/pgad281/7257345>
17. INCOSE Guide to Writing Requirements
<https://www.incose.org/>
18. A Practitioners Guide to Software Test Design, Lee Copeland
19. STPA (System-Theoretic Process Analysis) Handbook, Appendix E
https://psas.scripts.mit.edu/home/get_file.php?name=STPA_handbook.pdf
20. Guide to the Project Management Body of Knowledge, 6th Edition