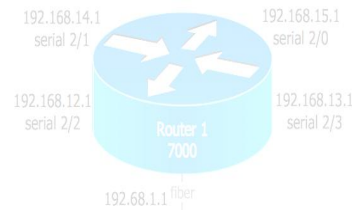




KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Warangal – 506 015, Telangana, INDIA (An AUTONOMOUS INSTITUTE under Kakatiya University, Warangal)

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान वरंगल - ५०६०१५.



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of
EXCELLENCE

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Router 5 2500



CISCO NetAcad ASSESSMENTS



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Networking
Academy



Interest02
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OVERVIEW OF CISCO NETWORKING ACADEMY ASSESSMENTS

Q1. What types of assessments are available?

A. The Cisco Networking Academy® program provides a wide array of assessment types and tools to help students, instructors, and administrators understand the strengths and weaknesses of individuals as they progress through a curriculum. Students receive feedback on their knowledge and skills through self-activated assessments and online activities. Instructors can schedule and deliver more formal and summative assessments through a globally accessible online assessment system. Although Cisco provides these tools, it does not specify instructional actions and uses for assessments, but does offer sound pedagogical suggestions for their use in making inferences about students' abilities.

Assessments provide valuable teaching and learning metrics that are important to all groups of stakeholders:

- Students receive formative feedback and a summative evaluation of their learning.
- Instructors receive formative feedback and summative evaluations of their teaching.
- Administrators supporting and managing Cisco Academies receive information that provides opportunities for coaching, remediation, and recognition.

We offer a full suite of assessments to support 21st century learning:

- **Formative assessments** provide practice and support to help students master core concepts. Formative assessments align with topics covered in the curriculum and give students and instructors detailed feedback about students' strengths and weaknesses. Chapter quizzes, interactive Flash tasks, simulations, and Cisco® Packet Tracer activities embedded throughout the curriculum are examples of formative assessments that support learning and evaluation of student performance.
- **Summative assessments** help measure students' familiarity with course content and ability to apply their knowledge. Summative assessments are designed to summarize the knowledge and skills of a student, and usually cover a broader range of information than formative assessments and provide less detailed feedback. Examples include online practice certification exams, final exams, and hands-on performance exams administered on real equipment.
- **Cisco Packet Tracer Skills Assessments** allow students to assess their knowledge and skills using the simulation and configuration capabilities of the Packet Tracer learning environment. Packet Tracer Skills Assessments (PTSAs) are currently available for Cisco CCNA® and CCNA Security courses. These formative assessments are designed to help students prepare for the final hands-on skills exam at the end of each course.

Q2. What is a pretest exam?

A. Skills review and pretest exams are optional exams made available at the beginning of some NetAcad™ courses to help instructors and students prepare for the course. Skills review exams test for prerequisite knowledge that students are expected to have before starting a course. A skills review exam is available for the IT Essentials course. A pretest exam covers both prerequisite knowledge and core content that is included in the course. Pretest exams are available for each Cisco CCNA Routing and Switching course. The exam is designed to give instructors and students an indication of the student's prerequisite knowledge, as

well as their familiarity with the major concepts presented in the course. A sub-score report is provided to the student upon completion of the pretest exam. The report shows performance for each knowledge area tested. This information is intended to help students and their instructors determine areas in which further study is required to help ensure a student's success. Cisco does not define a passing score or an acceptable score in any of the areas tested.

Q3. How are exams designed and where can I find the assessment objectives or competencies?

A. NetAcad uses the Evidence Center Design framework to design, develop, and deliver our exams. As a result of this process, each exam is designed based on a **Table of Specification (TOS)**, or blueprint, that aligns with the same objectives, competencies, and topic coverage as the curriculum. TOS documents can be found under **Chapter and Final Exam Design Documents** in the **Instructor Resources** section for each course.

Q4. What types of questions and how many questions are typically on an exam?

A. Most exams contain a combination of multiple choice, fill-in-the-blank, drag-and-drop, and Packet Tracer simulation-based questions. Performance-based activities are used in conjunction with other types of tasks to gather detailed evidence of the student's knowledge, skills, and abilities. The type of question used depends on the objective that needs to be assessed and the inference goal. Pretest exams typically have 40 questions, with approximately 60% of the questions covering prerequisite content and 40% covering course content. Chapter exams typically contain 15 to 25 questions and are designed to assess a student's mastery of the content for each chapter in the online curriculum. In some cases, an exam may combine the information from two or more chapters as the student progresses through a course. Final exams typically contain 50 to 60 questions that align with the objectives outlined for the course.

Q5. What is a Packet Tracer Media Object (PTMO)?

A. A PTMO is a Packet Tracer activity that acts as an interactive media object for multiple choice, drag-and-drop, and fill-in-the-blank questions. Students perform basic configuration, design, and exploration tasks within the PTMO activity before answering the question. PTMOs currently appear in assessments in the CCNA Routing and Switching courses.

Q6. What versions of Packet Tracer and Java are required for course and assessment activities?

A. We strongly recommend using the latest available version of Packet Tracer and Java for all course and assessment activities. The latest version of Java must be installed and enabled in each browser used for course and assessment activities. While we recommend using the latest version of Packet Tracer for all courses, there is a minimum version that must be used per curriculum for activities and assessments to work properly. The minimum version required CCNA-RS is PT 6.0.1

Q7. If I had problems upgrading to the latest version of Java, can I skip the questions with PTMO components in the pretest, chapter, and final exams in the CCNA Routing and Switching courses?

A. After the selection of the exam has been made, a **Skip** button will appear. Click the **Skip** button to prevent PT from initializing. The questions will still display but you will not be able to launch the PT activity. This means that information needed to answer the question will not be available, but the question will still be scored based on the student's response. Instructors can re-grade or curve the exam scores from the Grades section of their course if desired.

Q8. Can I skip questions with drag-and-drop components?

A. There is no way to prevent drag-and-drop items, which are built in Flash, from loading. The question will be scored based on the student's response. If left blank, the question will be scored as incorrect. However, instructors can re-grade or curve the exam scores from the Grades section of their course.

Q9. Can students revert to the beginning of an exam if they erroneously click on Skip?

A. If the **Skip** button is selected at the beginning of an exam in error, the user can reload the exam and allow Packet Tracer to initialize. Before reloading the exam, the user should ensure that the correct software is installed. Simply close the assessment window, resume the exam, and allow the Packet Tracer initialization process to complete. When resuming the exam, all previously answered questions will be saved.

Q10. What happens if my browser closes while taking an exam?

A. Your exam information is saved. Simply close the assessment window, click on the **Assignment** link for the exam, and click **Resume Assessment**. If the instructor must re-enable the assessment, please contact the instructor for assistance.

CISCO PACKET TRACER SKILLS ASSESSMENTS

Q11. What are Cisco Packet Tracer Skills Assessments?

A. Cisco Packet Tracer Skills Assessments are formative assessments that measure student performance and knowledge of networking concepts and skills using the simulation and configuration capabilities of the Packet Tracer learning environment. The online, centrally administrated Packet Tracer Skills Assessment environment presents complex and authentic tasks, immediately scores the exams, and provides rich, detailed feedback, which is also integrated into the Student Performance Summary for instructors and available in the course Assessment History for students.

Q12. What types of Packet Tracer Skills Assessments are currently available?

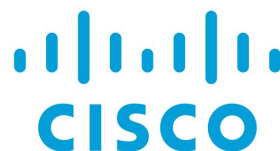
A. Packet Tracer Skills Assessments are available as practice exams for CCNA Routing and Switching, CCNA Discovery, CCNA Exploration, and CCNA Security courses. These PTSAs help students prepare for the corresponding final hands-on SBA for each course. The exams are available in English only. Some practice exams are available in multiple courses within a curriculum.

Q13. What are some benefits of the PTSAs for CCNA courses?

A. The PTSAs help students and instructors identify areas that need improvement to help increase student confidence, satisfaction, and success when preparing for the final hands-on SBAs at the end of the CCNA courses.

Q14. Will the PTSAs be translated from English into other languages?

A. While there are no plans to translate the exams at this time, the English versions of these exams are available for use by all CCNA academies, regardless of the course language version being used.



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