

## **Assessment Tip Sheet Information Technology Assessment Alternative Linux Certification**

**Career Cluster:** Information Technology

**Programs:** 11.0901 Computer Systems, Networking, and Telecommunications

**Assessment Name:** LPIC-1: System Administrator

**Assessment Description:** LPIC-1 covers basic skills for the Linux professionals that are common to major distributions of Linux. LPIC-1 validates the candidate's ability to perform maintenance tasks on the command line, install and configure a computer running Linux and configure basic networking.

To be awarded the LPIC-1 certification the candidate must successfully pass two exams, 101 and 102. These can be taken in any order.

### **Test Vendor Website and overview of the exams and certification**

Visit the [LPI](http://www.lpi.org) website at <http://www.lpi.org/our-certifications/lpic-1-overview> to find information about the exams and certification, as well as details about the versions, requirements, validity and languages.

### **Assessment Information:**

Exam Objectives: Each objective is assigned a weighting value. Each weight point in the objectives corresponds to one question on the exam.

The content of the exam is defined by the LPI exam objectives. Objectives for LPIC-1 exams can be found on the LPI website:

LPIC-1 Exam 101 Objectives, Objectives version, Exam Code and Objective Weights are listed [here](#):  
<http://www.lpi.org/our-certifications/exam-101-objectives>

LPIC-1 Exam 102 Objectives, Objectives version, Exam Code and Objective Weights are listed [here](#):  
<http://www.lpi.org/our-certifications/exam-102-objectives>

Each LPIC-1 exam has 60 weight points corresponding to 60 questions. Therefore, each LPIC-1 exam consists of 60 multiple choice or fill in the blank questions and is a timed test with a total administration time of 90 minutes.

Each exam requires preparation time which is not discounted from the time to take the exam. Students will be advised by Pearson Vue or their local proctor about the timing for the examination, including required preparation time.

More can be found [here](http://www.lpi.org/our-certifications/summary-of-certifications): <http://www.lpi.org/our-certifications/summary-of-certifications>

### **List of jobs students can get with LPIC-1 certification:**

System Administrator, Help Desk Engineer, Technical Consultant, Trainer, Systems Programmer, Application Programmer, Database Administrator (DBA), Programmer / Analyst, System Architect, QA Engineer.

Note that the certification doesn't guarantee you the job.

### **Who can take the assessment?**

Students enrolled in the state-approved CTE programs listed above whom either:

- 1) Completed the program in the current school year (have completed all 12 segments) and at least a 2.0 in each course section.

-OR-

- 2) Are program concentrators (completed more than half the program – 7 or more segments) and who will leave school at the end of the current school year.

Students who wish to achieve an industry recognized certification upon completion of the program.

### **What is the procedure to order assessments?**

Academic pricing is available for schools under Michigan Department of Education. Schools have to order vouchers through <http://www.lpi.org/order-voucher/>. Academic pricing is discounted pricing available to schools that qualify for it.

Note: vouchers expire within a year.

### **How is the assessment administered?**

Exams may be scheduled and delivered at a [Pearson VUE](https://home.pearsonvue.com/lpi) test center (<https://home.pearsonvue.com/lpi>). In special cases, and depending on the availability of proctors, LPI will organize paper-based exam labs. Please note that there is no guarantee for the paper-based tests and their availability is dependent on the availability of LPI proctors.

*Before organizing and scheduling exams, and ordering vouchers, please consult Valerie Felder, [felderv@michigan.gov](mailto:felderv@michigan.gov), 517-335-1066. Valerie will give you a document (Guide for Accessing LPI Exams) with detailed instructions on how to order exams and acquire academic discount.*

### **What is the testing window?**

The assessment dates are district-determined.

### **Information about Exam Accommodations:**

At times, it may be necessary to allow accommodations when administering assessments. For students with an Individualized Education Plan (IEP) with assessment accommodations [visit](#):

[http://www.pearsonvue.com/accommodations/pv\\_review.asp?clientName=CompTIA](http://www.pearsonvue.com/accommodations/pv_review.asp?clientName=CompTIA)

**Current list of languages exam is available can be found [here](#):**

<http://www.lpi.org/our-certifications/lpic-1-overview>

## **Learning.lpi.org - the additional learning resource**

*Learning* is an initiative of the Linux Professional Institute and supports teachers and students in preparing for our certifications. It gives an overview for available material, useful for candidates interested in Linux Professional Institute Linux and open source certifications.

## **How are reports accessed?**

Score reports are available at Linux Professional Institute (LPI). LPI will share scores with OCTE Michigan Department of Education under the Data Sharing Agreement. For underage students, it is required that their parent or legal guardian signs the letter and approves sharing of assessment data between LPI and OCTE.

For students 18 and over: it requires that the student signs the letter and approve sharing of assessment data between LPI and OCTE.

## **What is a passing score on the assessment?**

The cut score for the LPIC-1 System Administrator certification is 500 points.

## **Who should teachers contact with questions about instruction?**

The state program consultant for Information Technology is Tom Knight. He can be reached at 517-373-8545 or [KnightT@michigan.gov](mailto:KnightT@michigan.gov).

## **Who should assessment coordinators contact with State of Michigan Technical Skills Assessment policy questions?**

Valerie Felder 517-335-1066 [felderv@michigan.gov](mailto:felderv@michigan.gov)