**Technical Training Scheme of Work / Session Planner (2021-22)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Title** | **Pexip Self-Hosted Certified Technology Expert Level 1** | | **Subject / Unit / Module Name** | [CTE Level 1 – Fundamentals CTE-SHL100](https://www.pexipacademy.com/course/view.php?id=74) | | | | | **Academic Year** | | 2021-2022 |
| **Broad aim of Subject / Unit / Module** | **LO1.** Identify and relate Core AV and Networking technologies within the fundamentals requirements of a Pexip Infinity deployment.  **LO2.** Identify and define system architecture requirements for a Pexip self-hosted Infinity deployment.  **LO3** Locate and identify technical documentation on docs.pexip.com to support the planning and installation of a Pexip self-hosted Infinity deployment. | | **No of weeks / sessions** | Self-paced | | **Duration of session(s)** | | 3 hr 38 mins Self-paced e-learning material | **Trainer / Delivery** | | Self-paced e-learning |
| **Assessment plan** | **Assessment Outcome / Assignment Number** | **Assessment method** | | | **Assignment issue date** | | **Assignment hand in date** | | | **Feedback date** | |
| 1. LO1 | Automated Module quiz | | | N/A | | N/A | | | Instantly | |
| 2. LO2 | Automated Module quiz | | | N/A | | N/A | | | Instantly | |
| 3. LO3 | Automated Module quiz | | | N/A | | N/A | | | Instantly | |
|  |  | | |  | |  | | |  | |
| **The intention of the certification in relation to the knowledge, skills, behaviours and attitudes that will be developed to support learner’s progression and their destinations** | On successful completion of this course the learner will be able to:  Proceed onto the CTE Level 2  As a result the learner will demonstrate be able to display the following competencies that will contribute to their workplace roles and responsibilities:   * Identify and relate Core AV and Networking technologies within the fundamentals requirements of a Pexip Infinity deployment. * Identify and define system architecture requirements for a Pexip self-hosted Infinity deployment. * Locate and identify technical documentation on docs.pexip.com to support the planning and installation of a Pexip self-hosted Infinity deployment. | | | | | | | | | | |
| **Key Sources of Information / Texts** | http://www.pexipacademy.com/technical\_training/Level1\_Fundamentals  https://docs.pexip.com | | | | | | | | | | |
| **Health & Safety** | To ensure that the health and safety of all participants is kept as a priority, risk assessments will be carried out prior to any practical activity to ensure that all risks have been thought about and reduced or mitigated where possible. | | | | | | | | | | |
| **How is Diversity and Inclusion promoted in learning** | In order to ensure inclusion the self-paced electronic content will provide accessibility tools via click, touch interactions, adjustable speed audio, and ADA approved close captions text. All tutorials and assessment content have pause, replay and retry options where applicable. Our electronic content promotes Diversity via the visual representation of gender, race and global region. | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Learner Prep:** | | **There is an expectation that the learner participant undertaking the CTE Level 1 Fundamentals should already have a professional working knowledge of AV and IT technologies relatable to the Video conferencing sector. It is preferable that this is demonstratable via either CCNA or MCSE or equivalent professional certification or competent experience.** | | | |
| Unit | **Topic** | **Learning Activities**  What activities will students do to learn content? | **Learning Outcomes**  What learners will be able to do by the end of the session?  To include specific differentiated activity to stretch and challenge students | **Assessment of Learning**  How do you plan to assess whether all learners have met the learning outcomes? | **Resources**  Which resources will you need?  Add hyperlinks to materials |
| CTE-shL101 | AV Networking Assessment | **3 part baseline assessment module. (17 mins)**   * **Self Assessment (2 mins)** * **General IT Networking warm-up – (5 mins)** * **Scenario time. (10 mins)** | **LO1** | **Quiz** | **PC/Laptop / Web access headset or speakers.**  **[LMS](https://www.pexipacademy.com/course/view.php?id=74)** |
| CTE-shL102 | Pexip Infinity: The Fundamentals | **3 part module. (9 mins)**   * **A distributed enterprise application** * **Examples of a deployment** * **Distributed Architecture** | **LO1, LO2** | **Quiz** | **PC/Laptop / Web access headset or speakers.**  **[LMS](https://www.pexipacademy.com/course/view.php?id=141)** |
| CTE-shL103 | Planning a basic installation of Pexip Infinity | **10 part module (51 mins)**   * **Planning an installation of Pexip Infinity** * **Installing the Management node in a VMware environment** * **Completing the Management node install wizard** * **Configuring System settings** * **Further Management node configuration** * **Configuring System locations** * **Creating a Conferencing node** * **Deploying a conferencing node in VMware** * **Completing the deployment of a conferencing node** * **Additional Conferencing node configuration** | **LO1, LO2** | **Quiz** | **PC/Laptop / Web access headset or speakers.**  **[LMS](https://www.pexipacademy.com/course/view.php?id=76)** |
| CTE-shL104 | How to use the Pexip Infinity Technical Documentation site. | **1 part module (8 mins)**   * **An introduction to docs.pexip.com** | **LO3** | **A**ctivity | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=143) |
| CTE-shL105 | Regex Fundamentals | 2 part module (9 mins)   * A basic introduction to Regular Expression * RegEx within Infinity | **LO1, LO3** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=136) |
| CTE-shL106 | SIP Signalling Fundamentals | **1 part module** (14 mins)   * **A basic introduction to SIP Signalling Fundamentals** | **LO1** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=81) |
| CTE-shL107 | DNS within Infinity | **1 part module** (14 mins)   * **DNS within Infinity** | **LO1,** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=138) |
| CTE-shL108 | Networking | **1 part module** (16 minis)   * **Networking fundamentals for an Infinity deployment** | **LO1, LO2** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=144) |
| CTE-shL109 | TLS Certificate Fundamentals for Infinity | **2 part module** (20 mins)   * **Intro to Certificates** * **Certificates within Infinity** | **LO1** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=155) |
| CTE-shL110 | Data Traffic Flow and Firewall Configuration Fundamentals for Infinity | **2 part module** (20 mins)   * **Basic Firewall Configuration** * **Data Traffic and Protocol Flows** | **LO1, LO3** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=156) |
| CTE-shL111 | Virtulisation & Server Design | **3 part module** (25 mins)   * **Intro to Virtulisation & Server Design** * **Resource allocation & Server Design** * **NUMA Pinning and VMware** | **LO1, LO2, LO3** | **Q**uiz | **PC/Laptop / Web access headset or speakers.**  [**LMS**](https://www.pexipacademy.com/course/view.php?id=145) |
| **Summary of group / individual progress made.**  **Trainer reflection including any participant feedback when collected** | | **All progression is monitored and displayed automatically via a tracking process on the LMS.**  **All feedback is provided automatically at the end of each assessment via the tracking process on the LMS.**  **All participants can provide feedback and request assistance on the LMS directly via the chat facility.** | | | |