

# AVID LEARNING SERVICES

## Certification Exam Study Guide



## Avid Certified Support Representative MediaCentral | Production management System Support

Exam	MediaCentral   Production Management WG433
Exam Code	WG433
Type of Exam	Multiple choice
Certification Level	Avid Certified Support Representative (ACSR)
Duration	60 minutes
No. of Questions	50
Passing Score	80% (40 correct answers)
Exam Language	English

### Target Audience

Technical support staff, technical managers, installers, advanced administrators and others who need to install, maintain, troubleshoot or support Avid MediaCentral | Production Management systems.

### Exam Preparation

Successful candidates will have extensive experience with Avid MediaCentral | Production Management. Although course attendance is not required to take the certification exam, Avid highly recommends candidates attend the course(s):

- [WG433 Avid MediaCentral | Production Management System Support](#)

This course provides hands-on training to help candidates build the skills and competencies required for certification. It is a blended course with 15 hours of self-paced online content plus 20 hours of Live online instruction spread over 5 days. Participants will learn to setup, install and configure the core components of a MediaCentral | Production Management system and test a typical workflow.

Finally, participants will have the opportunity to take the associated proctored certification exam. Exam topics correlate with the skills and tasks required of an ACSR to install, configure and troubleshoot a MediaCentral | Production Management system.

## Certification



The certification path provides a defined process by which individuals can prepare for the certification exam and, by extension, the role of ACSR MediaCentral | Production Management. It is designed to ensure that candidates have sufficient knowledge of and experience with the client and storage systems that will be connected to the Avid MediaCentral | Production Management system they will be supporting.

The following prerequisites are recommended:

1. Certification as an [Avid Certified Support Representative: Media Composer](#)
2. Certification as an [Avid Certified Support Representative | NEXIS](#)
3. Certification as an [Avid Certified Administrator: MediaCentral | Production Management](#)
4. Minimum 1 year as the primary MediaCentral | Production Management system administrator

Completing the recommended course(s) and certifications, coupled with hands-on experience will help you build the skills and competencies needed to pass the certification exam. Course attendance is optional, however. If you feel you have considerable, real-world experience implementing, installing, administering and troubleshooting Avid MediaCentral | Production Management systems, then you may register and take the exam at any time.

Next Steps: Once you achieve ACSR MediaCentral | Production Management, consider taking the course [CX454 MediaCentral | Cloud UX System Support](#) to also gain that certification. This is the next step toward the ACSR Elite certification.

## Certification Topics

The following topics are included in the certification exam. You should be well-versed in the technical and operational details of the following:

1. The Production Management Engine and Database
  - a. Avid Asset Management
  - b. Supported Operating Systems
  - c. Production Management Engine Configurations
  - d. Database Scalability
  - e. Production Management Engine – Hardware
  - f. Required Production Management Cluster Hardware
  - g. Production Management Engine – Licensing
2. Virtualization
  - a. The Hypervisor
  - b. Production Management Virtualization
  - c. VMware Terms
  - d. Hardware/Software Requirements
  - e. Provisioning VMs
  - f. VMWare Tools
  - g. Engine Failover Cluster
  - h. Virtualized Production Management | Bundle
3. Network Requirements
  - a. Active Directory
  - b. Server Execution User
  - c. Modifying the Server Execution User
  - d. DNS=Domain Name System
  - e. Computer Hostnames
  - f. Network Time Protocol
  - g. Windows Firewall
  - h. Windows Defender 2016
4. Installing the Production Management Engine
  - a. Clustered Production Management Engine IP addresses
  - b. Before Installation
  - c. Clustered Engine Installation
  - d. Post Install
5. Media Indexer
  - a. Media Indexer – Overview
  - b. MongoDB
  - c. MI Log and Data File Locations
  - d. Media Indexer Configuration and Limits
  - e. Media Indexer – Active Standby
  - f. Media Indexer – OP-1A Compared to OP-ATOM

6. Media Indexer Installation & Configuration
  - a. Shared Storage Considerations
  - b. Avid Service Framework Considerations
  - c. Media Indexer Upgrade Considerations
  - d. Media Indexer Network Considerations
  - e. Installing Media Indexer Software
  - f. Media Indexer WebUI
  - g. Media Indexer WebUI – Configuration
  - h. Web UI – Clients
  - i. Media Indexer Web UI Security
  - j. Troubleshooting
7. Avid Service Framework
  - a. Lookup Servers
  - b. ASF Hosts
  - c. ASF – Discovery Process
  - d. ASF – Applications
  - e. ASF – Troubleshooting
8. Production Services
  - a. Production Services Architecture
  - b. Production Services Engine Components
  - c. Production Services Providers
  - d. Creating Profiles
  - e. Licensing Production Services
  - f. Avid Service Framework
  - g. Troubleshooting Production Services
9. Backing Up the Production Management Database
  - a. The Production Management Folder Structure
  - b. Types of Automatic Backups
  - c. \_Master folder = non-Avid Assets
  - d. \_InternalData folder = Production Management Users
  - e. Interplay Restore
  - f. Troubleshooting Interplay Restore
  - g. Partial Restore
  - h. Partial Restore – Example
10. Production Management Maintenance Recommendations
  - a. Daily Checklist
  - b. Weekly Checklist
  - c. Monthly Checklist
  - d. Complete Server Room Shutdown

## Practice Questions

The following questions are not part of the current WG433 exam but are similar to the questions likely to be asked.

- 1) Which Operating System is supported for clustered Production Management engines?
  - a. Windows Server 2008
  - b. Windows Server 2012
  - c. Windows Server 2016
  - d. Windows Server 2019
  - e. B, C and D
  
- 2) Which Operating Systems are unsupported after Production Management v2018.11?
  - a. Windows 7
  - b. Windows 10
  - c. Windows Server 2012
  - d. Windows Server 2016
  - e. None of the above
  
- 3) Clients Connected to a Windows Domain will still require NTP for time synchronization
  - a. True
  - b. False
  
- 4) Which networking service is required for all Interplay installations?
  - a. DHCP
  - b. DNS
  - c. Active Directory
  - d. LDAP
  - e. NTP
  
- 5) Which role does Active Directory play in a Production Management deployment?
  - a. It is required to import users into Production Management and to assign permissions
  - b. It is used by Avid Service Framework to allow Production Management components connectivity
  - c. It is required to allow MediaCentral UX sessions to authenticate
  - d. It allows clustered servers to authenticate
  - e. All of the above

## Practice Questions (cont.)

- 6) Why is the use of FQDNs recommended for Production Management hosts?
  - a. Unicast discovery is less efficient in all cases
  - b. All Avid sites must use multicast addressing
  - c. They are non-ambiguous in the discovery process
  - d. MediaCentral deployments will require them for Linux connectivity
  - e. Avid editors will only be able to connect to Media Indexer if they use them
  
- 7) What is stored in the Production Management engine database?
  - a. Decoded metadata essence from ingested MXF files
  - b. Metadata cache files created by attached Media Indexers
  - c. Only user accounts and database configuration information
  - d. Objects created by users and devices logged in to Production Management
  - e. Ingested MXF files
  
- 8) Which is the maximum performance metric for bundled engine?
  - a. 4 GB of memory and a page limit of 240,000
  - b. 9GB of memory and a page limit of 1.2 million
  - c. 12GB of memory and a page limit of 1.7 million
  - d. 12GB of memory and a page limit of 2.2 million
  - e. 32GB of memory and a page limit of 2.5 million
  
- 9) Which license allows a Media Composer | Cloud connection to the Production Management Engine?
  - a. J license
  - b. G license
  - c. AM license
  - d. LI license
  - e. CI license
  
- 10) What was the last version to support a bundled Production Management engine in a virtualized environment?
  - a. v3.7
  - b. v3.8
  - c. v2018.6
  - d. v2018.11
  - e. v2019.6

## Practice Questions (cont.)

- 11) Which of the following is required for the Virtual Production Management Engine?
  - a. An IP address and computer name
  - b. Two IP addresses and two computer names
  - c. Two active cluster nodes for horizontal scaling
  - d. It's own dedicated storage workspaces
  - e. That the Server Execution User be logged into Windows at all times
  
- 12) Which protocol must be enabled in a redundant switch configuration to support a Production Management cluster using a Cisco switch?
  - a. VRSP
  - b. HSRP
  - c. CARP
  - d. Pfsync
  - e. GLBP
  
- 13) The Production Management database is located within which folder?
  - a. AvidWG
  - b. aviddb
  - c. Master
  - d. Property\_Store
  - e. Database
  
- 14) User databased backups are stored in which folder?
  - a. \_InternalData\Backup
  - b. \_AvidWG\Backup
  - c. \_Workgroup\_Databases\\_Backup
  - d. Avid\_Backups
  - e. Database
  
- 15) The name of the Production Management database can be changed by editing which file?
  - a. Folderlocations.xml
  - b. aviddb.xml
  - c. AvidWG.xml
  - d. The database name can only be changed by deleting the entry in DNS and adding a new one
  - e. The name of the database cannot be changed

- 16) What is the recommended location for database backup on a single engine?
- a. A NEXIS workspace
  - b. The C: drive on the engine
  - c. The D: drive on the engine
  - d. A USB flash drive of at least 32GB
  - e. An attached Production Management Archive system
- 17) How often are Production Management user accounts automatically backed up?
- a. Once an hour
  - b. Once a day
  - c. Once a week
  - d. On a schedule set by a system administrator
  - e. They must be manually backed up
- 18) How often should AvDeletes logs be purged?
- a. Daily
  - b. Weekly
  - c. Monthly
  - d. Yearly
  - e. AvDeletes logs purge automatically
- 19) Avid Service Framework can provide what functionality?
- a. Diagnostics
  - b. Health Monitoring
  - c. Time Synchronization
  - d. All of the above
  - e. None of the above
- 20) Which of the following service should not be installed on an Avid editor?
- a. Media Indexer
  - b. Time Synchronization
  - c. Avid Service Framework
  - d. Interplay Transcode
  - e. Production Services Broker



## Answers to Practice Questions

Use the answers below to check your knowledge on the practice questions.

1. E
2. A
3. B
4. B
5. D
6. C
7. D
8. E
9. D
10. A
11. A
12. B
13. A
14. A
15. E
16. A
17. C
18. B
19. D
20. E