

## Exam Questions 300-300

LPIC-3: Mixed Environments - Exam 300 - version 3.0

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### NEW QUESTION 1

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What service name must be added to a database entry in/etc/nsswitch.conf to include SSSD as a source of information? (Specify ONLY the service name without any parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

? Adding SSSD to /etc/nsswitch.conf:

References:

? SSSD documentation

? nsswitch.conf configuration guidelines

### NEW QUESTION 2

In a Samba configuration file, which of the following variables represents the domain of the current user?

- A. %D
- B. %r
- C. %d
- D. %G
- E. %w

**Answer:** A

#### Explanation:

? In a Samba configuration file, variables can be used to represent dynamic values.

? The %D variable represents the domain of the current user.

? This variable can be used in various configuration directives to customize the behavior of Samba services based on the user's domain.

References

? Samba variables documentation: <https://www.samba.org/samba/docs/current/man-html/smb.conf.5.html>

### NEW QUESTION 3

Which of the following TCP ports is used to provide the SMB protocol without NetBIOS?

- A. 133
- B. 138
- C. 139
- D. 386
- E. 445

**Answer:** E

#### Explanation:

? The SMB protocol (Server Message Block) is used for providing shared access to files and printers.

? Historically, SMB ran on top of NetBIOS over TCP/IP using port 139.

? SMB can also run directly over TCP/IP without the NetBIOS layer, which uses port 445.

? Therefore, TCP port 445 is used to provide the SMB protocol without NetBIOS.

References

? Official IANA port numbers: <https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml>

? Microsoft documentation on SMB: <https://docs.microsoft.com/en-us/windows/win32/fileio/microsoft-smb-protocol-and-cifs-protocol-overview>

### NEW QUESTION 4

In an LDIF file using changetype: modify, which of the following options can be used? (Choose two.)

- A. patch
- B. overwrite
- C. add
- D. replace
- E. generate

**Answer:** CD

#### Explanation:

? In an LDIF file, changetype: modify is used to specify modifications to an existing LDAP entry.

? The add option is used to add new attributes or values to an existing attribute.

? The replace option is used to replace existing attribute values with new ones.

? These options are used to update the directory information according to the LDAP protocol.

References

? LDAP modification operations: <https://ldap.com/the-ldif-format/>

? OpenLDAP modify documentation: <https://www.openldap.org/doc/admin24/modify.html>

### NEW QUESTION 5

Which of the following statements is true regarding Samba 4?

- A. Samba 4 is only a minor update to Samba 3, which fixes smaller bugs and contains no new features.
- B. Microsoft Windows clients cannot connect to Samba 4 servers.
- C. Samba 4 can serve as an Active Directory Domain Controller.
- D. Samba 4 includes an own file system, sambafs, to format block devices.
- E. Integration of Samba 4 in an existing Active Directory Domain is not possible.

**Answer:** C

**Explanation:**

? Samba 4 Features:Samba 4 introduces major enhancements over Samba 3, including the ability to function as an Active Directory (AD) Domain Controller.

? Capability as AD Controller:

? Incorrect Statements Clarified:

References:

? Samba Wiki - Samba4

**NEW QUESTION 6**

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What command checks the Samba configuration file for syntactical correctness? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

? Usage Example:

References:

? Samba.org - testparm

**NEW QUESTION 7**

Which group of commands manages the directory replication in an active directory domain?

- A. samba-tool repl
- B. samba-tool directory
- C. samba-tool drs
- D. samba-tool domain
- E. samba-tool sync

**Answer:** C

**Explanation:**

? samba-tool drs:This set of commands is used to manage directory replication in an Active Directory domain. DRS stands for Directory Replication Service.

? Functionality:It provides various subcommands to monitor, manage, and troubleshoot replication issues.

? Other Commands:

References

? Samba DRS Command Documentation

**NEW QUESTION 8**

Which parameters are available for samba-tool group add? (Choose two.)

- A. --default-gpo
- B. --groupou
- C. --login-script
- D. --sid
- E. --group-type

**Answer:** DE

**Explanation:**

Thesamba-tool group addcommand is used to add a new group to the Samba Active Directory. This command has several parameters to customize the group creation process. Two of the available parameters are--sidand--group-type.

? --sid:

samba-tool group add mygroup --sid=S-1-5-21-1234567890-123456789-1234567890-1234

? uk.co.certification.simulator.questionpool.PList@1a4f7d80

? --group-type:

samba-tool group add mygroup --group-type=security

? uk.co.certification.simulator.questionpool.PList@1a4f7ef0

References

? Samba Official Documentation: samba-tool

? Samba Active Directory Management: Managing Groups

**NEW QUESTION 9**

Which of the following lines is missing in the given[printers]share definition?

```
[printers]
  path = /var/spool/samba
  quest ok = yes
```

- A. printcap name = cups
- B. printable = yes
- C. print script = /usr/bin/lp -d %P %s
- D. print admin = Administrator, root, @lpadmin
- E. load printers = yes

**Answer: B**

**Explanation:**

In the context of a Samba configuration for printer shares, the [printers] section usually requires the `printable = yes` directive to indicate that the share is meant for printing. Without this directive, Samba would not treat the share as a printer share, even if other settings like `path` are configured properly.

The given snippet is:

The line `printable = yes` is missing and is essential for defining a printer share.

References:

? Samba Official Documentation - Printer Sharing

**NEW QUESTION 10**

Which parameter in a user object defines on which share the user's roaming profile is stored?

- A. autoMount
- B. logonDrive
- C. profilePath
- D. homePath
- E. driveMap

**Answer: C**

**Explanation:**

The `profilePath` parameter in a user object specifies the path to the user's roaming profile. A roaming profile is a feature in Windows that allows user profile data to be stored on a network share so that users can access their profiles from any workstation within the network. By setting the `profilePath`, administrators can define where on the network the profile data is stored.

References

? Roaming User Profiles

? User Account Properties

**NEW QUESTION 10**

Which of the following commands open NFSv4 ACLs in an editor? (Choose two.)

- A. `nfs4_setfacl -e`
- B. `nfs4_editfacl`
- C. `nfs4_stat -e --acl`
- D. `nfs4_chmod -i`
- E. `nfs4_conf`

**Answer: AB**

**Explanation:**

To open NFSv4 ACLs in an editor, the following commands can be used:

? `nfs4_setfacl -e`: This command is used to set NFSv4 ACLs, and the `-e` option opens the ACLs in an editor for modification. The command usage is:

This opens the ACL editor where the user can modify the ACLs for the specified file.

? `nfs4_editfacl`: This command is a more intuitive way to edit NFSv4 ACLs directly in an editor. It provides a user-friendly interface for managing ACLs.

References

? NFSv4 ACL Tools Documentation

? NFSv4 ACLs

**NEW QUESTION 13**

Which of the following statements is true about raw printing with Samba?

- A. Print jobs are submitted as vector files, including font files, which are rendered and printed by Samba.
- B. Printing jobs are always submitted to Samba in raw postscript.
- C. Any printed file, e.
- D. an office document, is submitted to the printer without any further processing in exactly the same bit sequence as it is stored on disk.
- E. Samba converts printer-specific jobs to raw data to make them printable on an arbitrary printer.
- F. Printing jobs are rendered on the client and passed on to the printer by Samba.

**Answer: E**

**Explanation:**

? Client-Side Rendering: In Samba, raw printing means that the client machine renders the print job, which includes converting it to a printer-ready format.

? Transmission to Printer: This rendered print job is then sent to the Samba server without further processing or alteration. Samba acts merely as a pass-through, sending the job directly to the printer.

? Advantages: This method offloads the rendering process from the server to the client, which can be beneficial in environments with diverse printer types and

models, reducing the processing load on the server.

? Conclusion: Thus, the correct answer is that printing jobs are rendered on the client and passed on to the printer by Samba.

References

? Samba Printing Documentation

#### NEW QUESTION 14

A Samba 4 server provides DNS information regarding an Active Directory Domain. All other DNS information is provided by an additional DNS server. Which of the following solutions ensures that the clients of the Samba server can look up all DNS records including those from the domain?

- A. The additional DNS server is configured in the file /etc/resolv.conf on the Samba server and the option dns forwarder = yes is set in smb.conf.
- B. The search domain of all clients is set to the Active Directory domain name
- C. All clients query only the additional DNS server and not a domain controller.
- D. Both the Samba server and the additional DNS server are configured on the client
- E. This ensures that the Samba server is listed first in each client's resolv.conf.
- F. All clients are configured to send DNS queries to the additional DNS server only
- G. The Samba server's smb.conf contains the option wins dns proxy = yes to provide all domain- related naming information via the NetBIOS name service independently from DNS.
- H. The additional DNS server is configured in the option dns forwarder in smb.conf
- I. All clients query the Samba server for any DNS information.

**Answer:** E

#### Explanation:

? dns forwarder: This smb.conf option specifies the DNS server to which queries should be forwarded if they cannot be resolved locally by the Samba server.

? Configuration:

? Process:

? Benefit: This ensures that all DNS records, including those from the Active Directory domain and other DNS information, can be resolved by the clients.

References

? Samba DNS Forwarding

#### NEW QUESTION 19

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