

LPI

Exam Questions 300-300

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



NEW QUESTION 1

In order to generate an individual log file for each of the machines connecting to a Samba server, which of the following statements must be used in the Samba configuration file?

- A. log file = /var/log/samba/log.%m
- B. log file = /var/log/samba/log.%M
- C. log file = /var/log/samba/log.%r
- D. log file = /var/log/samba/log.%l
- E. log file = /var/log/samba/log.%c

Answer: A

Explanation:

? Individual Log Files:

References:

? Sambasmb.confmanual

? Logging configurations in Samba

NEW QUESTION 2

Which option in smb.conf defines the domain of which the server is a member?

- A. ad
- B. member domain
- C. basedn
- D. domain
- E. realm

Answer: E

Explanation:

In smb.conf, the realmoption specifies the Kerberos realm for the Active Directory of which the server is a member. This option is crucial for integrating the Samba server into an AD environment.

References:

? Samba smb.conf man page - realm

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

Which Samba utility, when launched with the appropriate parameters, generates the following output?

```
REVISION:1
CONTROL:0x8004
OWNER:S-1-5-21-3621094050-2160514158-817190072-500
GROUP:S-1-22-2-0
ACL:S-1-5-21-3621094050-2160514158-817190072-500:0/0x0/0x001f019f
ACL:S-1-22-2-0:0/0x0/0x00120089
ACL:S-1-1-0:0/0x0/0x00120089
```

- A. smbcacls
- B. smbclient
- C. getfacl
- D. smbattr
- E. smbfacl

Answer: A

Explanation:

The `smbcaccls` utility is used to manage Windows ACLs on Samba shares. The output format shown in the image suggests it relates to detailed ACL information, which is typically generated by `smbcaccls`.

References:

? Samba `smbcaccls` man page

NEW QUESTION 5

Which of the following commands adds a forward DNS record named `filesrv01` pointing to the IPv6 address `2001:db8::190` into the DNS zone `samba.private` on the Samba 4 server `dc1`?

- A. `net dns -S dc1 -U Administrator addrecord filesrv01.samba.private AAAA 2001:db8::190`
- B. `dnstool -f dns.tdb add filesrv01.samba.private AAAA 2001:db8::190 -U Administrator`
- C. `samba-dns dynupdate -S dc1 -U Administrator -h filesrv01.samba.private -t AAAA -V 2001:db8::190`
- D. `nsupdatesmb -U Administrator //dc1/samba.private/filesrv01 add AAAA 2001:db8::190`
- E. `samba-tool dns add dc1 samba.private filesrv01 AAAA 2001:db8::190 -U Administrator`

Answer: E

Explanation:

? Command Explanation: The `samba-tool dns add` command is used to add DNS records in Samba.

? Parameters:

? Usage: This command properly adds a forward DNS record for `filesrv01` with the specified IPv6 address into the `samba.private` zone on the server `dc1`.

References

? Samba DNS Administration

NEW QUESTION 6

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What option in `smb.conf` defines where the data of a file share is stored? (Specify ONLY the option name without any values.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

? path Option: This parameter in `smb.conf` specifies the directory on the server where the shared data is stored.

? Usage: Within a share definition, the `path` option points to the actual location on the filesystem that Samba will share.

? Example Configuration: `[example_share] path =/srv/samba/share`

? Importance: Defining the correct path is crucial for ensuring that the share points to the intended directory with the appropriate data and permissions.

References

? Samba `smb.conf` man page

NEW QUESTION 7

Which of the following statements are true regarding the `smbpasswd` command? (Choose two.)

- A. The `-x` parameter removes an account from the Samba database.
- B. The `-a` parameter adds an account to the Samba database.
- C. If the account already exists, this parameter is ignored.
- D. The `-d` parameter deletes an account from the Samba database.
- E. The `-e` parameter excludes an account from the Samba database.
- F. `smbpasswd` changes only passwords on Samba domain controllers while DCs running Windows keep the old passwords.

Answer: AB

Explanation:

? `-x` Parameter: This parameter is used to remove (delete) an account from the Samba database.

? `-a` Parameter: This parameter adds a new account to the Samba database. If the account already exists, it will update the account.

? Other Options:

References

? `smbpasswd` Command Documentation

NEW QUESTION 8

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, `smbafs`, 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 9

Which smbclient invocation displays a list of the available SMB shares on the remote Samba server FileSrv1?

- A. smbcontrol -L FileSrv1
- B. smbshares --server FileSrv1
- C. smbstatus -S FileSrv1
- D. smbmount -L FileSrv1
- E. smbclient -L FileSrv1

Answer: E

Explanation:

The smbclient command is used to access shared resources on a network that uses the SMB (Server Message Block) protocol. To list the available SMB shares on a remote Samba server, the correct invocation is smbclient -L <server_name>. Here, -L stands for "list" and <server_name> is the name of the Samba server. Therefore, smbclient -L FileSrv1 will list all the available SMB shares on the server named FileSrv1. References

? smbclient man page
? Samba: smbclient Command

NEW QUESTION 10

FILL IN THE BLANK

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Which sub command of netgroups commands related to an AD membership, as in the following example? (Specify ONLY the subcommand without any path or parameters.)

```
net join
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The net command is used to administer Samba and Windows servers. The subcommand adsis is used in conjunction with the join command to join a Samba server to an Active Directory domain. The correct subcommand that fits the pattern net join is adsis. References:

? Samba net command man page

NEW QUESTION 10

The configuration of a Samba share contains the following line: force directory mode = 0555

If a client creates a new directory with the permissions 0750, which permissions will the resulting directory have in the Samba server's file system?

- A. 0755
- B. 0750
- C. 0750
- D. 0555
- E. 0777

Answer: D

Explanation:

? force directory mode = 0555: This setting in Samba forces the permissions of any newly created directories to be 0555 regardless of what the client requests.

? Client Request: If a client creates a directory with permissions 0750, Samba will override this and set the directory's permissions to 0555.

? Permissions Breakdown:

? Enforcement: Samba applies this mode strictly to ensure consistency and security as defined by the administrator.

References

? Samba Force Directory Mode Documentation

NEW QUESTION 13

The [homes] section of smb.conf contains the parameter browseable = no. What are the resulting consequences? (Choose two.)

- A. When browsing the Samba server, there is no visible share named after the current user.
- B. If the Samba server is part of an Active Director/ Domain, only users in the group Se3rowsingUsers can browse the homes share.
- C. When browsing the Samba server, users can open the homes share but they cannot see the content of their home directories.
- D. The homes share can be directly accessed by specifically opening this share by its UNC path.
- E. When browsing the Samba server, there is no visible share called homes.

Answer: AD

Explanation:

When browseable = no is set in the [homes] section of smb.conf, it prevents the share from appearing in the list of available shares when users browse the server. However, users can still access their home directories if they specify the correct UNC path directly.

* A. When browsing the Samba server, there is no visible share named after the current user.

? The share will not appear in the list of shares visible to the user during browsing.

* D. The homes share can be directly accessed by specifically opening this share by its UNC path.

? Users can still access the share by directly typing the path in the form \\servername\username.

References:

? Samba Official Documentation - Home Directories

NEW QUESTION 18

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 theprintable = yesdirective 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 likepathare configured properly.

The given snippet is:

The lineprintable = yesis missing and is essential for defining a printer share.

References:

? Samba Official Documentation - Printer Sharing

NEW QUESTION 21

Which of the following Group Policy Objects exist by default in an Active Directory domain? (Choose two.)

- A. Default Domain Policy
- B. Default Domain Controllers Policy
- C. Default Domain File Access Policy
- D. Default Domain Firewall Policy
- E. Default Domain Print Driver Policy

Answer: AB

Explanation:

? Default Group Policy Objects in AD:

References:

? Active Directory Group Policy documentation

? Best practices for managing Group Policy in Active Directory

NEW QUESTION 23

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 28

Which of the following keywords are module types for PAM? (Choose three.)

- A. cache
- B. authentication
- C. password
- D. session
- E. account

Answer: CDE

Explanation:

Pluggable Authentication Modules (PAM) provides a system of libraries that handle the authentication tasks of applications (services) on a Linux system. These libraries are loaded dynamically and can be configured in the `/etc/pam.d` directory or in `/etc/pam.conf`. The PAM modules are divided into four types:

- ? `auth` (authentication): This module type is responsible for authenticating the user, setting up user credentials, and initiating a session.
- ? `account`: This module type manages account policies such as password expiration, access restrictions, and checking user permissions.
- ? `password`: This module type handles the updating of authentication tokens, such as passwords.
- ? `session`: This module type manages tasks that need to be performed at the beginning and end of a session, like mounting directories or logging.

References

- ? Linux PAM Documentation
- ? Understanding PAM

NEW QUESTION 30

Which command creates a consistent copy of LDB files?

- A. `tdbbackup`
- B. `samba-backup`
- C. `ldbbackup`
- D. `smbbackup`
- E. `ldbsync`

Answer: C

Explanation:

? Consistent Copy of LDB Files:

References:

- ? Samba documentation on `ldbbackup`
- ? General LDB management guides

NEW QUESTION 32

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 37

What is true about the container `CN=Users` in an Active Directory LDAP tree? (Choose two.)

- A. GPOs cannot be assigned to this container.
- B. Users outside of this container cannot log into any member computer of the domain.
- C. The container can only contain user objects but no user groups.
- D. New users are created here and must be moved to another container before they can log in.
- E. New users are by default created in this container.

Answer: AE

Explanation:

? `CN=Users` Container:

? Other Options:

References

- ? Active Directory Containers and OUs

NEW QUESTION 39

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