

LPI.300-300.by.Isac.23q

Number: 300-300  
Passing Score: 800  
Time Limit: 120  
File Version: 4.0

**Exam Code: 300-300**

**Exam Name: LPIC-3: Mixed Environments - Exam 300 - Version 3.0**



## Exam A

### QUESTION 1

How is the Global Catalog of an Active Directory domain accessed?

Choose the correct answer

- A. Through LDAP queries to the ports 3268 (plain text) and 3269 (TLS encrypted).
- B. Through the share GCS SMB which is available on each domain controller.
- C. Through GCS records in the DNS sub zone `_gc` in the domain's DNS zone.
- D. Through LDAP queries to the base dn `CN=GC` in the standard LDAP directory.
- E. Through SRV records in the DNS sub zone `_msgc` in the domain's DNS zone.

**Correct Answer: A**

**Section:**

### QUESTION 2

Which of the following Samba commands provides comprehensive information and status flags on the user candidate?

Choose the correct answer

- A. `smbpasswd -l -u candidate`
- B. `net sam show candidate`
- C. `pdbedit -v -u candidate`
- D. `samba-tool user list`
- E. `getent smbpasswd candidate`

**Correct Answer: C**

**Section:**

### QUESTION 3

Which service unifies Linux and Windows account management by allowing a Linux system to include Windows domain users in the Linux user database?

Choose the correct answer

- A. `smbpasswd`
- B. `sudo`
- C. NIS
- D. Winbind
- E. OpenLDAP

**Correct Answer: D**

**Section:**

### QUESTION 4

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

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Choose the correct answer

- 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

**Correct Answer: B**

**Section:**

#### QUESTION 5

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

Choose the correct answer

- 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.

**Correct Answer: A, D**

**Section:**

#### QUESTION 6

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

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Choose the correct answer

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

**Correct Answer: A**

**Section:**

#### QUESTION 7

Which of the following options can be used to limit access to a Samba share? (Choose two.)

Choose the correct answer

- A. untrusted users
- B. write list
- C. valid groups
- D. valid users



E. accept list

**Correct Answer: C, D**

**Section:**

**QUESTION 8**

In case the following parameters are set in a Samba file share configuration:

create mask = 711

force create mode = 750

What are the effective permissions of a file created with the permissions 777?

Choose the correct answer

A. 066

B. 027

C. 777

D. 761

E. 751

**Correct Answer: E**

**Section:**

**QUESTION 9**

When using rsync to synchronize the SYSVOL share's contents between multiple Samba servers, which of the following precautions should be taken? (Choose three.)

Choose the correct answer

- A. Synchronize from the domain controller which is the PDC emulator to the other domain controllers.
- B. Overwrite the permissions of all files in the SYSVOL directory to be readable by root only after each sync.
- C. Make the SYSVOL share read only on all domain controllers but the one used as synchronization source.
- D. Make sure that the SYSVOL share is active on only one domain controller.
- E. Make sure to make all changes to GPOs on the domain controller which is the replication source.

**Correct Answer: A, C, E**

**Section:**

**QUESTION 10**

Which of the following commands adds a forward DNS record named fileserver01 pointing to the IPv6 address 2001:db8::190 into the DNS zone samba.private on the Samba 4 server dc1?

Choose the correct answer

- A. net dns -S dc1 -U Administrator addrecord fileserver01.samba.private AAAA 2001:db8::190
- B. dnstool -f dns.tdb add fileserver01.samba.private AAAA 2001:db8::190 -U Administrator
- C. samba-dns dynupdate -S dc1 -U Administrator -h fileserver01.samba.private -t AAAA -V 2001:db8::190
- D. nsupdatesmb -U Administrator //dc1/samba.private/fileserver01 add AAAA 2001:db8::190
- E. samba-tool dns add dc1 samba.private fileserver01 AAAA 2001:db8::190 -U Administrator

**Correct Answer: E**

**Section:**

**QUESTION 11**

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?

Choose the correct answer

- 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. All clients query only the additional DNS server and not a domain controller.
- C. Both the Samba server and the additional DNS server are configured on the clients. This ensures that the Samba server is listed first in each client's `resolv.conf`.
- D. All clients are configured to send DNS queries to the additional DNS server only. 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.
- E. The additional DNS server is configured in the option `dns forwarder` in `smb.conf`. All clients query the Samba server for any DNS information.

**Correct Answer: E**

**Section:**

**QUESTION 12**

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

Choose the correct answer

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

**Correct Answer: C**

**Section:**

**QUESTION 13**

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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.)

Choose the correct answer

- A. `path`

**Correct Answer: A**

**Section:**

**QUESTION 14**

Which parameter within a share definition in the Samba configuration makes Samba only show files and directories on a file share which a user can access?

Choose the correct answer

- A. `hide unreadable = yes`
- B. `valid files = read,write`
- C. `browse mask = 000`
- D. `browseable = readable`
- E. `display mode = 100`



**Correct Answer: A**

**Section:**

**QUESTION 15**

Which of the following commands sets up Samba 4 as an Active Domain Directory Controller for a new domain?

Choose the correct answer

- A. samldap-domainadd
- B. net ads prepare domain
- C. samba-tool domain provision
- D. smbcontrol dcpromo
- E. samba-dcpromo

**Correct Answer: C**

**Section:**

**QUESTION 16**

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

Choose the correct answer

- 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 object 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.



**Correct Answer: A, E**

**Section:**

**QUESTION 17**

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

Choose the correct answer

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

**Correct Answer: A, B**

**Section:**

**QUESTION 18**

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

net \_\_\_ join

Choose the correct answer

A. ads

**Correct Answer: A**

**Section:**

**QUESTION 19**

Which of the following commands can be used to join the local Samba server as a member to the domain samba.private?

Choose the correct answer

- A. samba-tool member add samba.private
- B. samba-tool domjoin samba.private
- C. samba-tool domain join samba.private member
- D. samba-tool join samba.private member
- E. samba-tool node set-domain samba.private

**Correct Answer: C**

**Section:**

**QUESTION 20**

Which of the following are valid Samba backends to store user and group information? (Choose two.)

Choose the correct answer

- A. sdb
- B. smbpasswd
- C. ldapsam
- D. krb
- E. smb

**Correct Answer: B, C**

**Section:**

**QUESTION 21**

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

Choose the correct answer

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

**Correct Answer: E**

**Section:**

**QUESTION 22**

Which of the following groups exists by default in an Active Directory domain?



Choose the correct answer

- A. Domain Administrators
- B. Domain Users
- C. Domain 31aclclisc
- D. Domain Update Role Accounts
- E. Unassigned Users

**Correct Answer: B**

**Section:**

**QUESTION 23**

Which of the following FSMO roles exist? (Choose two.)

Choose the correct answer

- A. File Server
- B. Directory Server
- C. PDC Emulator
- D. RID Master
- E. Global Catalog

**Correct Answer: C**

**Section:**

