🧾 Milestone 1 — Server Deployment & Directory Configuration Report

Change Request / Configuration Record

Title: Server Deployment and Directory Configuration
Request ID: CR-NET2220-M1-2025
Prepared By: Clayton Holden
Date Completed: November 17–20, 2025
Department: Information Technology – Infrastructure Services
Reviewed By: System Administrator / Change Manager: Norma DePriest

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1. Change Summary

Field	Entry
Request Type	Initial Server Deployment
Environment	On-Prem Virtualized (Lab Network)
Primary Server Name	SERVER3
Operating System	Windows Server 2022 Standard (Desktop Experience)
Purpose	Establish baseline server environment for identity and directory services
Change Window	11/17 – 11/20 (approved maintenance period)
Rollback Plan	Restore VM snapshot taken prior to AD DS promotion

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2. System Configuration Details

Component	Setting / Action	Verification

Virtual Platform	VirtualBox VM (Lab Environment)	VM Settings screenshot
CPU / RAM / Disk	2 vCPU / 4–8 GB RAM / 60 GB HDD	VM settings dialog
Network Adapter	DHCP-based config (Lab Network)	`ipconfig /all` output
Hostname	SERVER3	System Properties
Installed Roles	Active Directory Domain Services	Server Manager → Installed Roles
Domain Name	corp.local (new forest)	AD Domains & Trusts
OUs Created	Users, Groups	ADUC screenshot
User Accounts	jsmith created	ADUC details
Group Accounts	ITAdmins created	ADUC details
Membership	jsmith added to ITAdmins	ADUC screenshot

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3. Implementation Steps (Chronological)

Step #	Date	Task Description	Validation Method
1	11/17	Installed Windows Server 2022 on VM	Successful login as local admin
2	11/17	Configured hostname (SERVER3) and network	`hostname` and `ipconfig`
3	11/18	Installed AD DS role	Server Manager
4	11/18	Promoted server to Domain Controller for corp.local	Reboot → domain login
5	11/19	Created OUs: Users and Groups	ADUC
6	11/19	Created user jsmith and group ITAdmins	ADUC
7	11/20	Added jsmith to ITAdmins	ADUC membership check
8	11/20	Tested domain login with jsmith	Successful login

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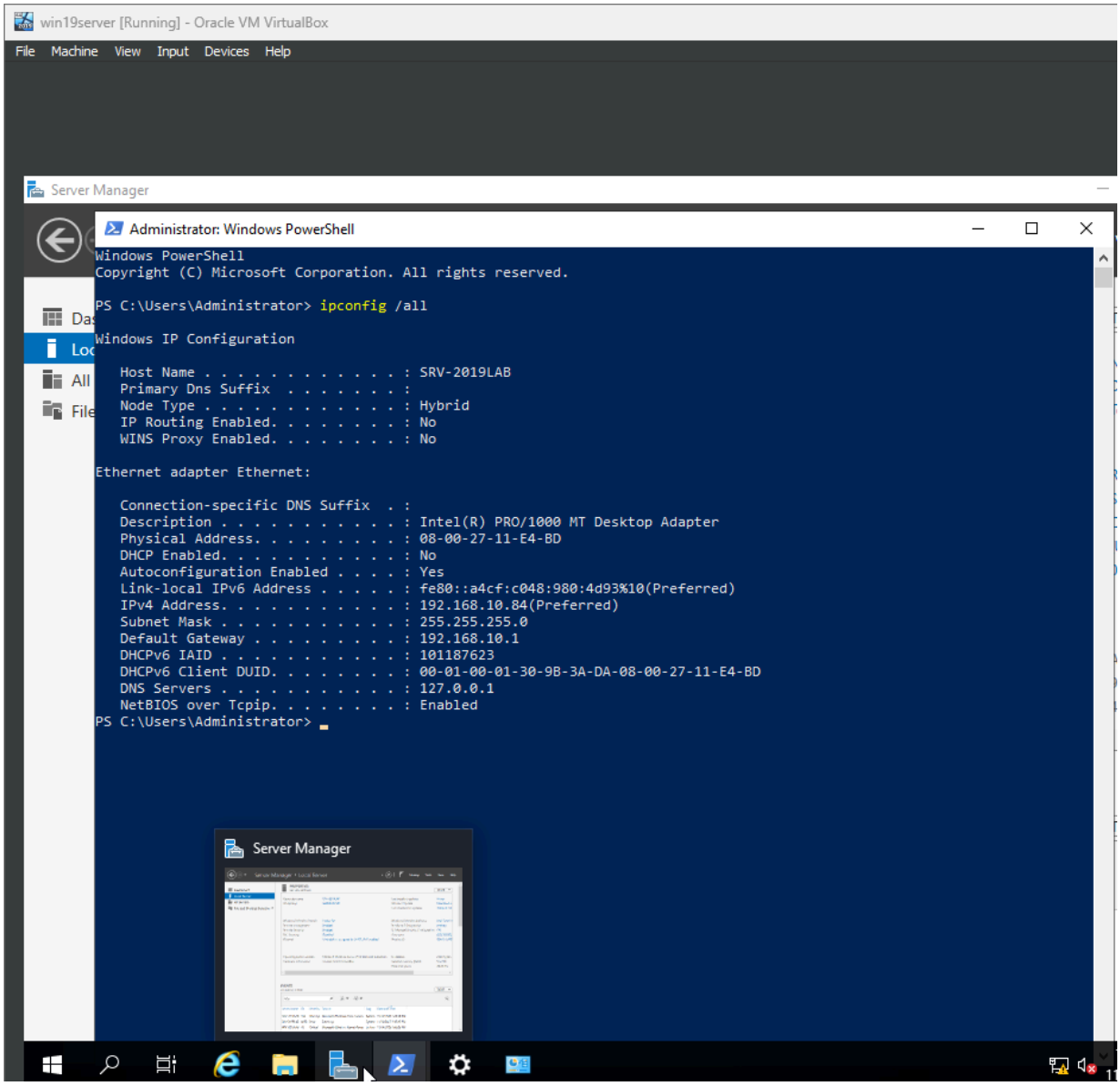
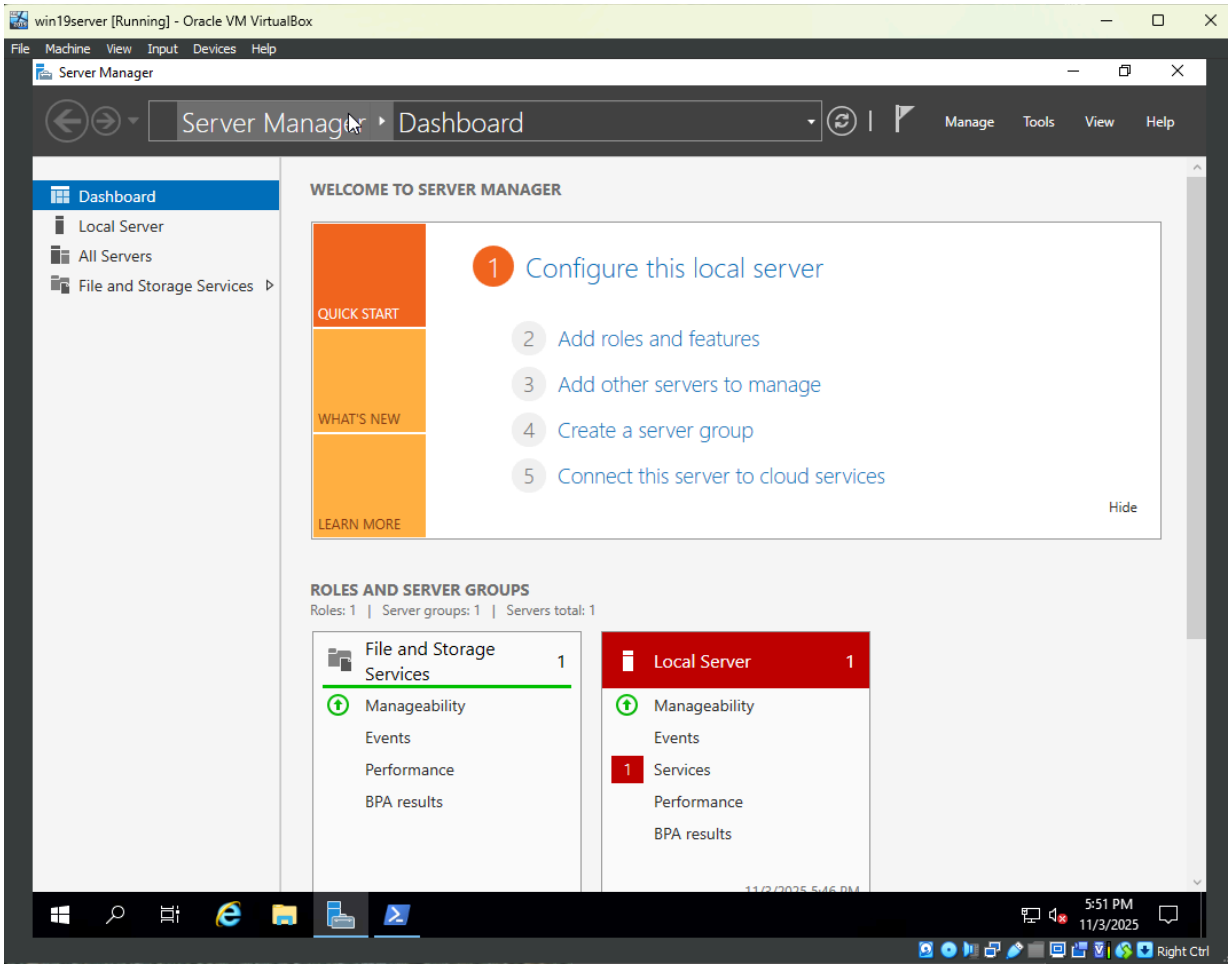
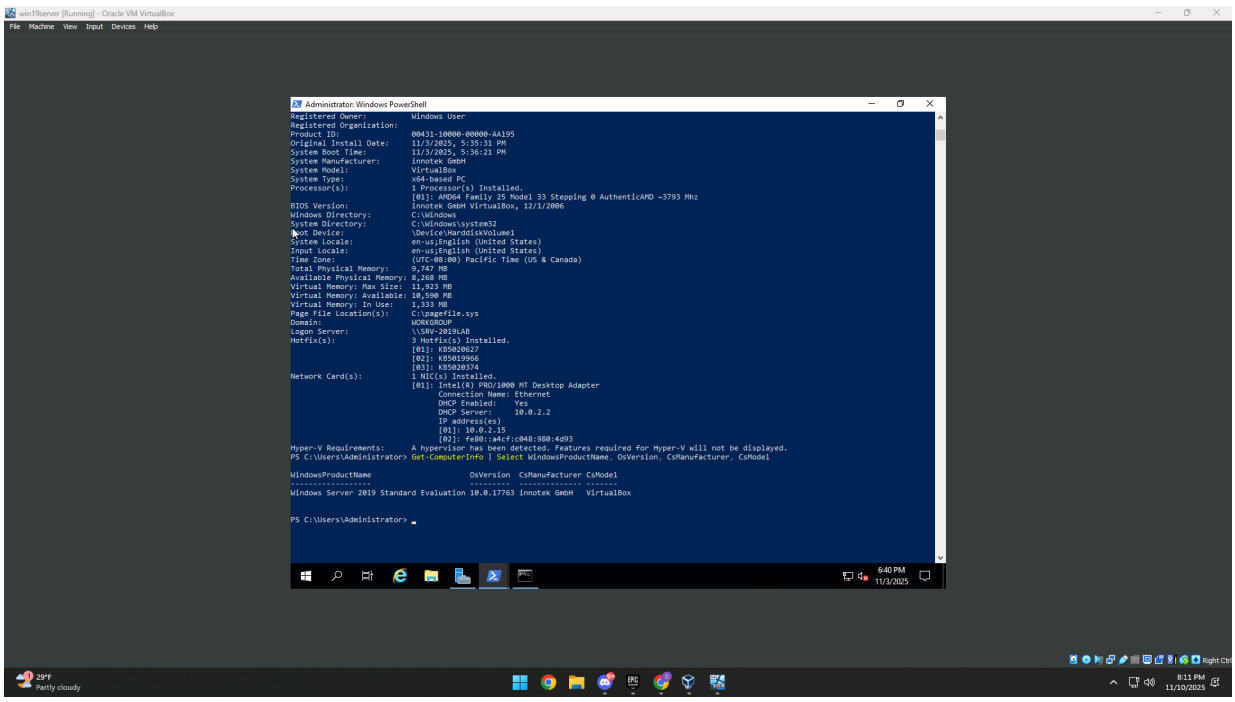
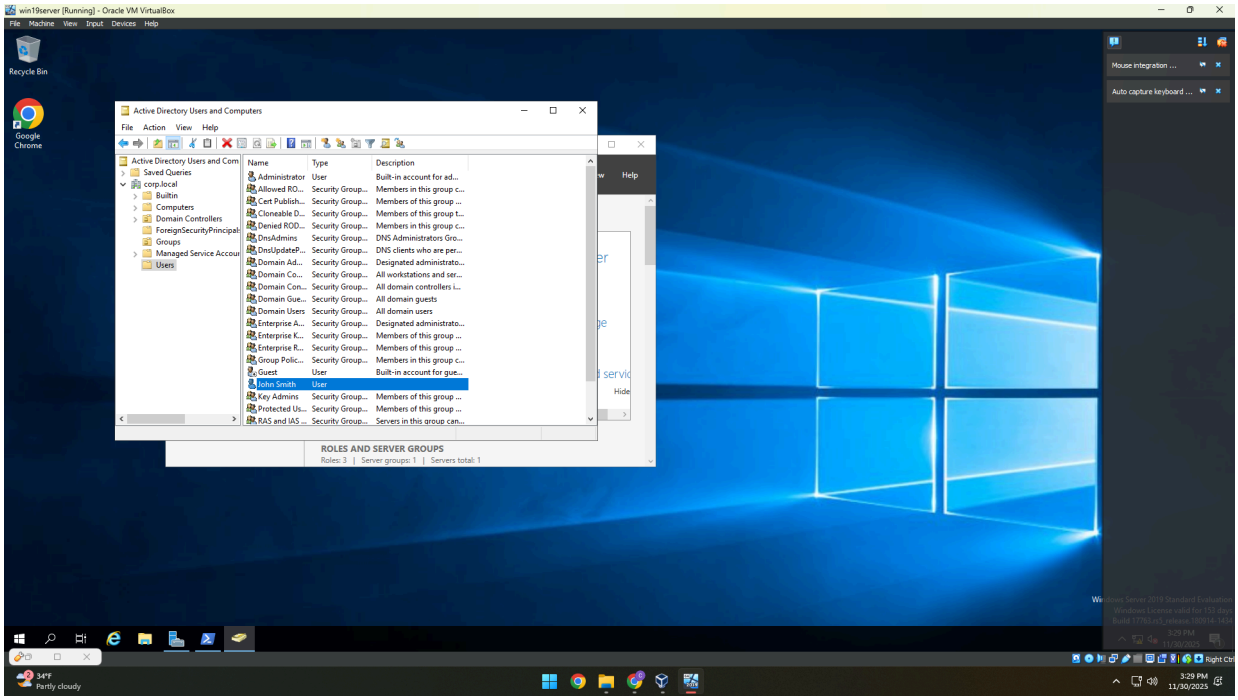
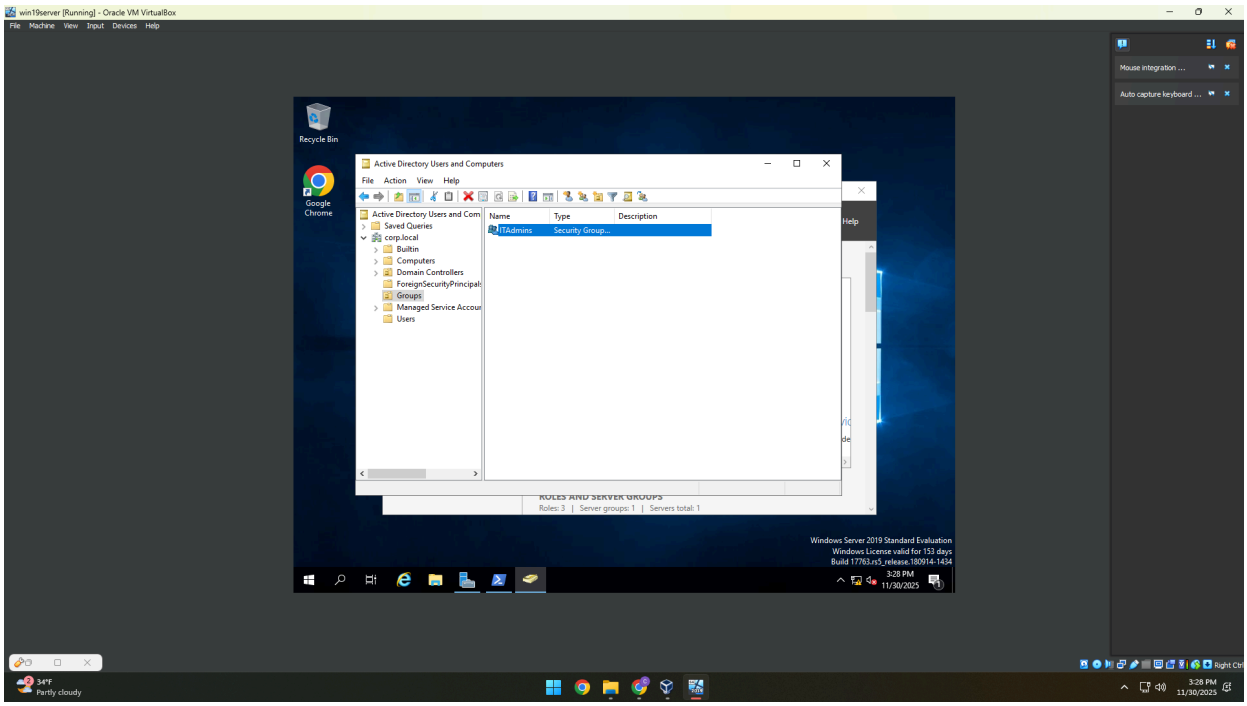
4. Verification Evidence (Screenshots to Attach)


win19server [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Server Manager
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
PS C:\Users\Administrator> ipconfig /all
Windows IP Configuration
Host Name . . . . . : SRV-2019LAB
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-11-E4-BD
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::a4cf:c048:980:4d93%10(Preferred)
IPv4 Address. . . . . : 192.168.10.84(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.10.1
DHCPv6 IAID . . . . . : 101187623
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-9B-3A-DA-08-00-27-11-E4-BD
DNS Servers . . . . . : 127.0.0.1
NetBIOS over Tcpip. . . . . : Enabled
PS C:\Users\Administrator>
Server Manager


win19server [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Server Manager
Server Manager ▸ Dashboard
Manage Tools View Help
Dashboard
Local Server
All Servers
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
5 Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 1 | Server groups: 1 | Servers total: 1
File and Storage Services 1
Manageability
Events
Performance
BPA results
Local Server 1
Manageability
Events
1 Services
Performance
BPA results
5:51 PM
11/3/2025
Right Ctrl


Administrator: Windows PowerShell
Registered Owner: Windows User
Registered Organization:
Product ID: 00431-10000-00000-AA195
Original Install Date: 11/3/2025, 5:35:31 PM
System Boot Time: 11/3/2025, 5:36:21 PM
System Manufacturer: Innotek GmbH
System Model: VirtualBox
System Type: x64-based PC
Processor(s): 1 Processor(s) Installed.
[01]: AMD64 Family 25 Model 33 Stepping 0 AuthenticAMD ~3793 Mhz
BIOS Version: Innotek GmbH VirtualBox, 12/1/2006
Windows Directory: C:\Windows
System Directory: C:\Windows\system32
Boot Device: \Device\HarddiskVolume1
System Locale: en-us;English (United States)
Input Locale: en-us;English (United States)
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Total Physical Memory: 9,747 MB
Available Physical Memory: 8,268 MB
Virtual Memory: Max Size: 11,923 MB
Virtual Memory: Available: 10,590 MB
Virtual Memory: In Use: 1,333 MB
Page File Location(s): C:\pagefile.sys
Domain: WORKGROUP
Logon Server: \\SRV-2019LAB
Hotfix(s): 3 Hotfix(s) Installed.
[01]: KB5020627
[02]: KB5019966
[03]: KB5020374
Network Card(s): 1 NIC(s) Installed.
[01]: Intel(R) PRO/1000 MT Desktop Adapter
Connection Name: Ethernet
DHCP Enabled: Yes
DHCP Server: 10.0.2.2
IP address(es)
[01]: 10.0.2.15
[02]: fe80::a4cf:c048:980:4d93
Hyper-V Requirements: A hypervisor has been detected. Features required for Hyper-V will not be displayed.
PS C:\Users\Administrator> Get-ComputerInfo | Select WindowsProductName, OsVersion, CsManufacturer, CsModel
WindowsProductName OsVersion CsManufacturer CsModel
Windows Server 2019 Standard Evaluation 10.0.17763 Innotek GmbH VirtualBox
PS C:\Users\Administrator>
6:40 PM
11/3/2025





5. Post-Implementation Validation

Test	Expected Result	Actual Result	Pass/Fail
Network connectivity	Ping gateway and DNS resolves	Successful	Pass
AD DS function	Domain controller responds to authentication	Verified	Pass
Domain login	jsmith authenticates to corp.local	Success	Pass
AD structure	OUs and users visible in ADUC	Verified	Pass
Group membership	jsmith appears under ITAdmins	Verified	Pass

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6. Security Baseline Confirmation

- Password policy, lockout policy, and firewall settings verified as meeting basic security requirements.
- Windows Defender Antivirus enabled with current definitions.
- Event logging active for Security, System, and Directory Services logs.
- Administrative access limited to authorized users only.

A full CIS Level 1 benchmark will be applied and validated in Milestone 2.

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7. Rollback / Recovery Information

- VM snapshot created: **“Pre-ADDS-Promotion-11-17-25”**
- Recovery procedure:
    1. Revert to snapshot
    2. Power on the VM

3. Verify hostname and network configuration
4. Confirm server role and state

No rollback required after successful implementation.

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8. Sign-Off

Role	Name	Date	Approval
System Administrator	Clayton Holden	11/20/2025	✔
Change Manager	Norma DePriest	11/21/2025	✔
Security Officer	(Optional)	—	☐

Outcome

Server **SERVER3** has been successfully deployed, promoted to a domain controller for the **corp.local** forest, and configured with baseline directory structure and user/group accounts. The environment is stable and ready for further security hardening and service configuration. No rollback was necessary.