



# Quick Start Guide

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Panzura Nexus: Connect Microsoft 365 Copilot to your CloudFS file data — securely, without migration or custom code.

# What is Panzura Nexus?

Panzura Nexus is a set-and-forget integration layer that connects your CloudFS global file system with Microsoft 365 Copilot. It syncs file content and metadata to Microsoft Graph — using a custom, event-driven integration rather than scheduled crawls most Graph Connectors rely on. Your existing CloudFS permissions reach Copilot in real-time, so Copilot respects them in every response, and gives you granular policy control over exactly what data Copilot can see. No file migration. No custom scripts. No services engagement.

### Instant AI

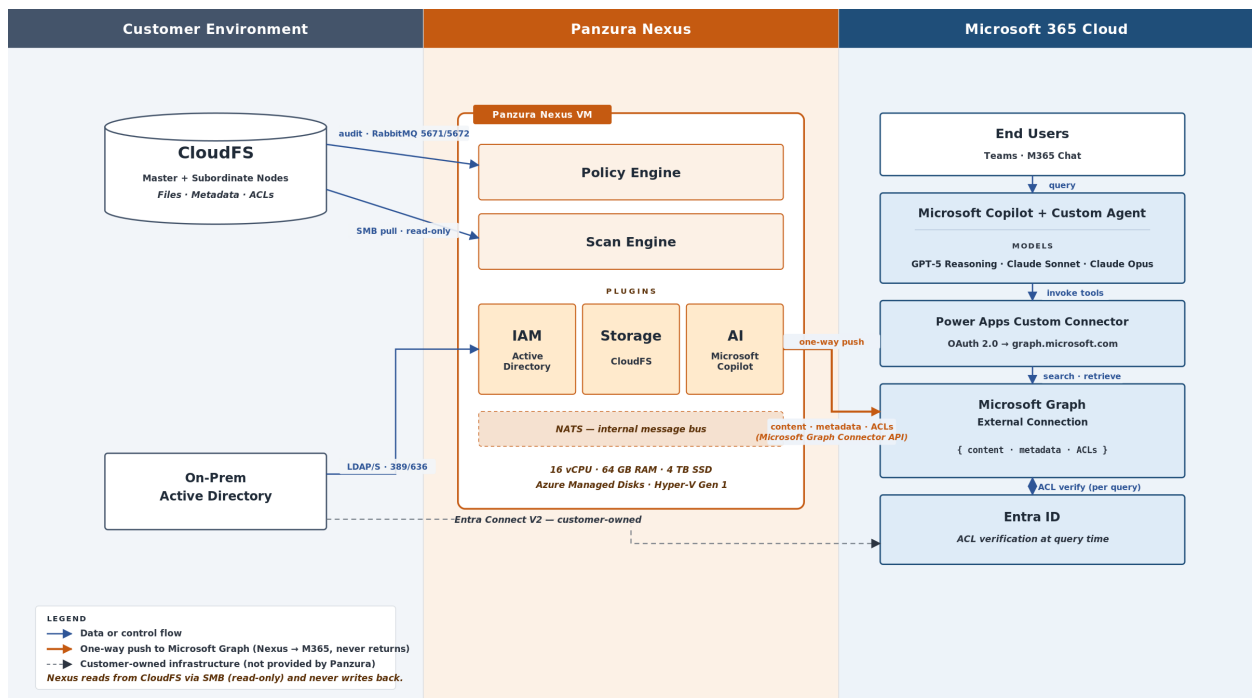
CloudFS data searchable in Copilot from day one — no waiting, no migration, no project.

### Secure by Design

Existing AD/LDAP permissions enforced in every Copilot response. Users only see what they're authorized to see.

### Policy Controlled


Granular rules govern exactly what is indexed — by file type, path, size, and date. Nothing unwanted reaches Copilot.



Panzura Nexus sits between your on-premises CloudFS nodes and Microsoft 365 Copilot. It reads file content and metadata from CloudFS via SMB, resolves CloudFS permissions, and pushes governed data to Microsoft Graph via the connectors API. All traffic flows are controlled — users gain AI insights through the Copilot interface without ever directly touching the file system.

## Prerequisites

### Infrastructure

- VM: 16 vCPUs · 64 GB RAM · 4 TB SSD
- Platform: Azure or Hyper-V
-  **Nexus host must share the same LAN as your CloudFS node**

### Microsoft 365 Copilot

- Active M365 tenant with Copilot-enabled licenses
- Entra ID App Registration (Tenant ID · Client ID · Client Secret)
- Entra Connect V2 for on-prem AD sync

### CloudFS

- Version 8.6.x or 8.5.x
- Functional ring required
- Audit events must be enabled

### Identity

- On-prem Active Directory
- LDAP/LDAPS access
- SMB read-only CloudFS user

## Configuration Steps

**1**

### Enable CloudFS Audit Events

Enable file and ACL change audit events on every CloudFS master and subordinate node. Nexus uses this stream for real-time sync. No agents or downtime required.

**2**

### Deploy the Nexus VM

Deploy a Nexus VM (.VHD for Azure, .VHDX for Hyper-V) on the same LAN as your CloudFS node — 16 vCPUs, 64 GB RAM, 4 TB disk. Open [https://<vm\\_ip>](https://<vm_ip>) and complete the 5-step Setup Wizard: License → Storage → Network → Time → Summary.

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### Configure the Storage Plugin (CloudFS)

In Nexus → Storage Systems, add your CloudFS master node (FQDN/IP) and SMB credentials. Nexus reads files via SMB and receives audit events on the same LAN. Do not rename the connector.

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### Configure the AI System Plugin (Microsoft 365 Copilot)

Register an Entra ID app to get your Tenant ID, Client ID, and Client Secret. In Nexus → AI Systems, configure the Copilot plugin. Nexus creates a Graph Connector named **Panzura-Nexus-`<policy-id>`**. Do not rename this connector in the AI System — doing so immediately invalidates it.

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### Configure Identity Management (Active Directory)

In Nexus → Identity Management, connect to on-premises AD via LDAP/LDAPS using a bind user. This lets Nexus resolve CloudFS permissions against your AD users — which Entra Connect maps to Entra ID — so Copilot respects existing ACLs.

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### Define Data Governance Policy & Activate

Go to Policies and create a Data Governance Policy. Select your Storage, AI, and IAM plugins. Define Rules to control what is indexed — by file extension, path, size, date range, or last-modified user. Use **Dry Run** to validate before activating. In Microsoft Admin, find the connector and click "**Give visibility to Copilot**" to expose data to Copilot.

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### Deploy the Copilot Agent

In Copilot Studio, create a blank agent and add two connector tools: **Search Nexus Data** and **Get External Item in Chunks** (chunk size: 60,000). Set content source to your AI Connector ID. Publish and approve in M365 Admin. Users can now search CloudFS data at [365.cloud.microsoft.com](https://365.cloud.microsoft.com).

### Key Reminders

- Panzura Nexus host and CloudFS node **must** be on the same LAN — SMB performance depends on it
- Never rename the Graph Connector inside the AI System plugin
- Client Secrets expire (max 2 years) — copy and store immediately at creation
- Always use Dry Run before activating a new policy in production

### You're Up and Running When...

- CloudFS audit events are active on all nodes
- Panzura Nexus Setup Wizard is complete and web UI is accessible
- All three plugins (Storage, AI, IAM) show a connected status
- A Data Governance Policy is active and ingestion jobs are running
- Copilot Agent is published and users can search CloudFS files via Copilot
- See the Panzura Nexus Admin Guide for full configuration reference