



# Nest Application

Deployment, Configuration & Installation Guide

# Installation Roadmap



## Phase 1

Database



## Phase 2

Web Server



## Phase 3

Azure AD



## Phase 4

App Config



## Phase 5

Agent

# Phase 1: Database Initialization

## 1. Prepare Script

Locate the provided SQL script file. **Crucial:** Open the file and rename the database target in the script to your desired name (e.g., `[Nest_Prod_DB]` ).

## 2. Execute

Run the script against your SQL Server instance to generate the schema and tables.



# Phase 1: Database Security

After creating the database, you must secure the default administrative access immediately.

01

Access the **Users Table** in the new database.

02

Locate the default **Admin** user record.

03

Change the **Password** to a secure value.

# Phase 2: Web Application Deployment



## Deploy Files

Copy all Nest website files to the designated folder on your IIS Web Server (e.g., `C:\inetpub\wwwroot\Nest`).



## Connection String

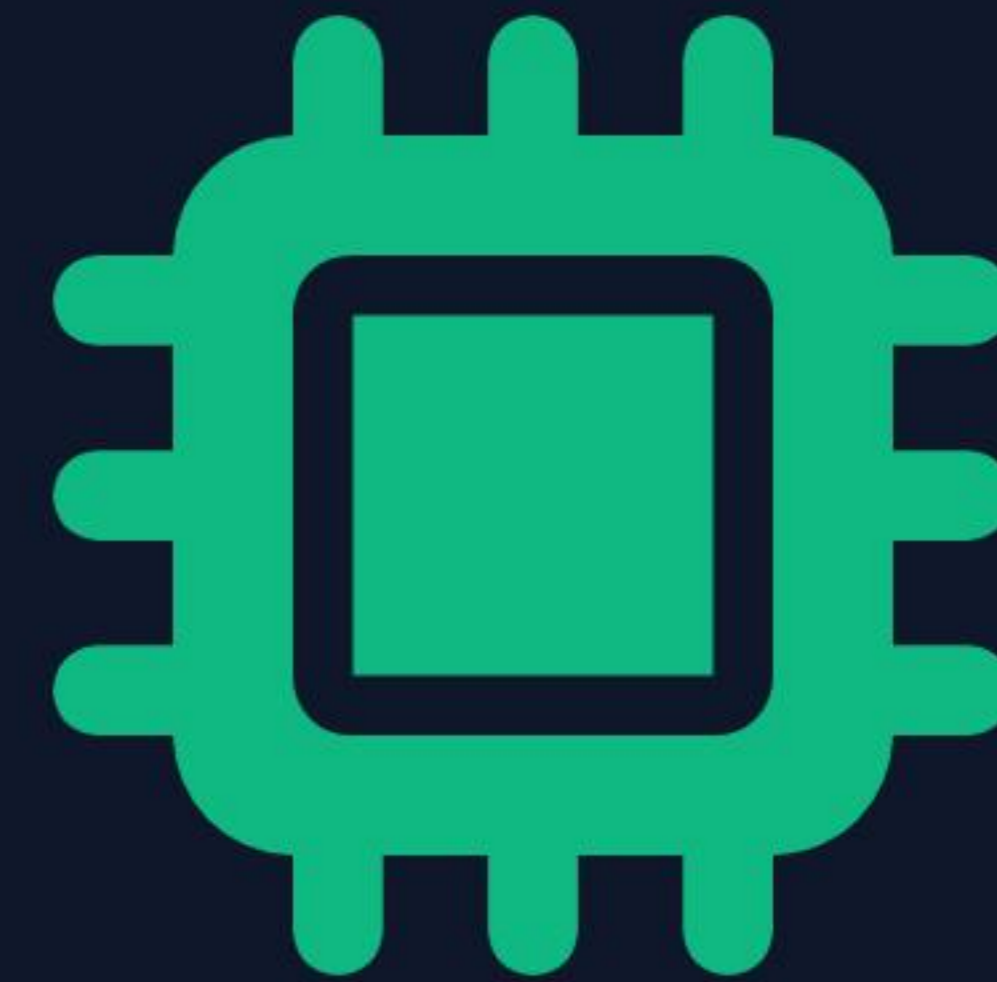
Open `appsettings.json`. Update the connection string to match the database name and credentials configured in Phase 1.

# Phase 2: IIS Configuration

## Application Pool Settings

This is a critical step for application stability.

- Open IIS Manager.
- Locate the **Application Pool** assigned to the Nest site.
- Go to **Advanced Settings**.
- Set **.NET CLR Version** to **No Managed Code**.



# Phase 3: Azure App Registration Overview

## Process Overview

- ✓ Create a new **App Registration** in Azure AD.
- ✓ Configure **API Permissions** (Detailed on next slide).
- ✓ Grant **Admin Consent** for all permissions.

## Key Artifacts

Before leaving the Azure Portal, ensure you save:

- ✓ Tenant ID
- ✓ Client ID
- ✓ Secret Value

# Phase 3: API Permissions Detail

## Setup Instructions

### 1. Navigate

Azure Active Directory → App registrations

### 2. Create

Select "New registration" (e.g., Nest-Service-Principal).

### 3. Configure

Go to "API permissions" and add the permissions listed on the right.

### 4. Credentials

Generate a Client Secret in "Certificates & secrets".

## Required Permissions List

### AZURE SERVICE MANAGEMENT (DELEGATED)

`user_impersonation`

### MICROSOFT GRAPH (APPLICATION)

`Directory.Read.All`

`GroupMember.Read.All`

`IdentityRiskyUser.Read.All`

`Reports.Read.All`

`User.Read`

### MICROSOFT GRAPH (DELEGATED)

`User.Read`

`User.Read.All`

`UserAuthenticationMethod.Read.All`

# Phase 3: Azure Role Assignment



## Subscription Access

The application needs read access to your Azure Subscriptions.

1. Go to **Subscriptions** in Azure Portal.
2. Select **Access Control (IAM)**.
3. Add Role Assignment.
4. Role: **Reader**.
5. Assign to: The **Nest App** created in the previous step.

# Phase 4: Connection Directory

Log in to the Nest Web App as Admin. Go to **Administration > Connection Directory** and input the following:

Configuration Field	Source Value
Tenant ID	Azure AD Directory ID
Client ID	Azure App Registration Application ID
Secret ID/Value	The Client Secret generated in Phase 3
Group ID (Optional)	Specific Azure AD Group for sync filtering

# Phase 5: Agent Configuration

## 1. Initial Access

Run the Agent `.exe`. Right-click the system tray icon and select "Open App".

Default Password: `x6-4C37M@@`

## 2. Configuration

**Security:** Go to Settings and change the password immediately.

**Connectivity:** Update ALL API URLs to match your Web App URL. Add the IT support email.



# Phase 5: Mass Deployment



## Source

Copy the fully configured Agent folder to a central network share or deployment server.



## Distribute

Copy the folder to all end-user devices (e.g., Program Files).



## Startup

Create a shortcut to the Agent .exe in the user's Startup folder to ensure auto-launch.



# Questions?

Thank you for following the Nest installation guide.

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