
🔹 **Configure Backup for an Azure App Service**

Backups in Azure App Service let you **save app content, configuration, and database connections** so you can restore them if needed.

Step 1: Prerequisites

1. An **App Service Plan** in **Standard, Premium, PremiumV2, PremiumV3, or Isolated** tier.
   (👉 Backup is **not available** in Free, Shared, or Basic tiers.)

2. A **Storage Account** with a Blob container to store backups.

3. (Optional) A **Database connection string** configured in App Service (if you want to include database backups).

Step 2: Create a Storage Account for Backups

1. In Azure Portal → **Storage Accounts** → **Create**.

2. Fill in details (Resource Group, Region, Standard storage).

3. Once created → go to **Containers** → create a container (e.g., appservicebackups).

Step 3: Configure Backup in App Service

1. Go to your **App Service** → in the left menu, click **Backups**.
2. Click **Configure**.
3. Fill in details:
    - **Storage Account**: Choose the one you created.
    - **Container**: Select the blob container (appservicebackups).
    - **Schedule Settings**:
        - Enable **Scheduled Backup**.
        - Set **Frequency** (e.g., every 1 day).
        - Set **Retention** (e.g., keep for 30 days).
    - **Databases (optional)**: Select connected database(s) to include.

Step 4: Run a Manual Backup

1. On the **Backups** blade, click **Backup Now**.
2. Azure will take a backup of:
    - Website content (code, files).
    - App configuration (settings, SSL, connection strings).
    - Database (if configured).

Step 5: Verify Backup

1. In the **Backups** tab → check the backup list.
2. You'll see timestamped backups stored in the blob container.
3. Download a backup file to confirm.

Step 6: Restore from Backup (Optional)

1. Go to **Backups** → select a backup → **Restore**.
2. Choose:
    - Restore **content and configuration**.
    - Restore **database** (optional).
3. Click **OK** → Azure will overwrite the existing app with the backup.

Best Practices

- Store backups in a **different region** for disaster recovery.
- Enable **retention policies** to avoid storage costs.
- Test restoring periodically to confirm backup reliability.

- Use **Azure Key Vault** for securing database credentials.
- For enterprise apps, consider **Azure Backup** or **Azure Site Recovery** for advanced DR.

✅ **Summary:**

1. Upgrade App Service Plan to Standard+ tier.
2. Create a Storage Account + Blob container.
3. Configure scheduled backups in App Service.
4. Run and verify backups.
5. Restore when needed.
