# **Redis Installation Guide for Windows**

# This guide helps you install Redis locally on a Windows machine and configure it to run as a background service so developers don’t need to start it manually.

## **Step 1: Download Redis for Windows**

1. **Go to the official Microsoft-archived Redis build:  
    🔗** [**https://github.com/microsoftarchive/redis/releases**](https://github.com/microsoftarchive/redis/releases)
2. **Download this file:**

Redis-x64-3.0.504.zip *(Stable & commonly used build)*

[**Alternatively, you can access the pre-downloaded setup from the shared drive under the *Screener Environment* folder.**](https://github.com/microsoftarchive/redis/releases)

1. **Extract the zip to a folder, e.g.:**C:\Redis-x64-3.0.504

## **Step 2: Test Redis Manually (Optional but Recommended)**

1. **Open Command Prompt as Administrator**
2. **Navigate to the Redis folder:**

cd C:\Redis-x64-3.0.504

1. **Start Redis:**redis-server.exe redis.windows.conf
2. **Open another Command Prompt, navigate to the same folder:**

redis-cli.exe

Ping

1. **You should see: PONG**

## **Step 3: Install Redis as a Windows Service**

1. **Open Command Prompt as Administrator**
2. **Run the following:**cd C:\Redis-x64-3.0.504 redis-server --service-install redis.windows.conf --loglevel verbose
3. **This installs Redis as a Windows service using the config file.**
4. **Now start the service:**redis-server --service-start

## **Step 4:**

### **Redis Connection Test**

Inside the **redis-implementation** folder, a basic Node.js script is provided to test whether Redis is successfully installed and running locally**.**

#### **Purpose:**

* Verify Redis is reachable and operational.
* Demonstrate basic usage: connecting, setting, and getting a key-value pair.

#### **Location:**

* File path: **redis-implementation/redis-test.js**
* This script is meant to be included as part of the Screener environment setup to help developers validate their local Redis installation.

#### **How to Use:**

1. Make sure Redis is installed and running (either manually or as a background service).
2. In the terminal, navigate to this directory:

**cd redis-implementation**

1. Run the test script:

**node redis-test.js**

#### **Expected Output:**

* **Should log:Stored value: deeksha**
* **If Redis is not installed or not running, a connection error will be shown in the console.**

#### **Notes:**

* This script uses the official **redis** npm package (npm install redis)
* Redis must be running on **localhost:6379** for the test to succeed.