

# ReportGenerator Installation Guide on RHEL (Red Hat Enterprise Linux)

This document provides step-by-step instructions to download and install **ReportGenerator** on **RHEL 8 / RHEL 9** systems.

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## Prerequisites

- RHEL 8 or RHEL 9
- Sudo/root access
- Internet connectivity

**Note:** ReportGenerator is a **.NET Global Tool**, so the **.NET SDK must be installed first**.

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## Step 1: Add Microsoft Package Repository

Microsoft packages are not available by default on RHEL. Add the official Microsoft repository:

### For RHEL 9

```
sudo rpm -Uvh https://packages.microsoft.com/config/rhel/9/packages-microsoft-prod.rpm
```

### For RHEL 8

```
sudo rpm -Uvh https://packages.microsoft.com/config/rhel/8/packages-microsoft-prod.rpm
```

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## Step 2: Install .NET SDK

Install the supported .NET SDK (recommended: .NET 8):

```
sudo dnf install -y dotnet-sdk-8.0
```

Verify installation:

```
dotnet --version
```

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### Step 3: Install ReportGenerator (Global Tool)

Install ReportGenerator as a global .NET tool:

```
dotnet tool install -g dotnet-reportgenerator-globaltool
```

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### Step 4: Configure PATH for .NET Global Tools

The ReportGenerator binary is installed in the following directory:

```
~/.dotnet/tools
```

Add this directory to the PATH variable:

```
echo 'export PATH=$PATH:$HOME/.dotnet/tools' >> ~/.bashrc  
source ~/.bashrc
```

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### Step 5: Verify ReportGenerator Installation

Run the following command to verify successful installation:

```
reportgenerator --version
```

If the version is displayed, the installation is complete.

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### Step 6: Sample Usage

Generate an HTML coverage report from a coverage XML file:

```
reportgenerator  
  -reports:coverage.xml
```

```
-targetdir:coverage-report  
-reporttypes:Html
```

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## Common Issues and Resolutions

**Issue:** dotnet: command not found

**Cause:** .NET SDK not installed or PATH not set

**Resolution:** - Reinstall .NET SDK - Log out and log back in, or reload shell configuration

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**Issue:** reportgenerator: command not found

**Cause:** .NET global tools path not added to PATH

**Resolution:**

```
export PATH=$PATH:$HOME/.dotnet/tools
```

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## Conclusion

ReportGenerator has been successfully installed and configured on the RHEL system. It can now be used to generate detailed code coverage reports in multiple formats.

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**End of Document**