

# Setup application insights

1. Create an Application Insights Resource:
  - a. Navigate to the Azure portal: <https://portal.azure.com/>
  - b. Click on "+ Create a resource".
  - c. Search for "Application Insights".
  - d. Choose "Application Insights" from the search results and click "Create".
  - e. Fill in the required fields: Subscription, Resource Group, Name, Region, etc.
  - f. Under "Instrumentation Key", you will eventually get a unique key post-creation. This key will be used to link your application to this particular instance of Application Insights.
  - g. Click "Review + create", then "Create".
2. Link Application Insights to App Service:
  - a. Go to your App Service in the Azure portal.
  - b. In the left-hand menu, look for the "Monitoring" section, then select "Application Insights".
  - c. Click on the "Turn on Application Insights" button.
  - d. You will have an option to select an existing Application Insights resource or create a new one.
    - i. If using an existing one, select the one you created in step 1.
  - e. Click on "Apply".
3. Update Application Code (if necessary):
  - a. Depending on the type of application you have, you might need to include the SDK and use the Instrumentation Key.
4. For instance, in a .NET Core application:
  - a. Install the necessary NuGet package: Microsoft.ApplicationInsights.AspNetCore
  - b. In your Startup.cs, make sure to add `services.AddApplicationInsightsTelemetry(Configuration["ApplicationInsights:InstrumentationKey"]);` in the ConfigureServices method.
5. Verify Integration:
  - a. Deploy your application to the App Service if you haven't already.
  - b. Visit your application a few times to generate some telemetry data.
  - c. Return to the Application Insights resource in the Azure portal.
  - d. In the overview pane, you should start to see telemetry data (requests, response times, etc.) coming in.

## Review Data:

Once your App Service and Application Insights are integrated and your application is running, you can review rich visualizations, logs, performance metrics, and much more in the Application Insights dashboard within the Azure portal.

That's a basic setup. Depending on your application's specific needs, you might require further configurations or adjustments.

Check app insights features

<https://pypi.org/project/appinsights/>