**Configure your Amazon EC2 instances in an Elastic Beanstalk environment by using [Elastic Beanstalk configuration files (.ebextensions)](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/ebextensions.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank).**

Configuration changes made to your Elastic Beanstalk environment won't persist if you use the following configuration methods:

* Configuring an Elastic Beanstalk resource directly from the console of a specific AWS service.
* Installing a package, creating a file, or running a command directly from your Amazon EC2 instance.

### Set up your .ebextensions directory

1.    In the root of your application bundle, create a hidden directory named .ebextensions.

2.    Store your configuration file in the .ebextensions directory.

Your application source bundle should look similar to the following example:

~/workspace/my-application/

|-- .ebextensions

| |-- 01-server-configuration.config

| `-- 02-asg-healthcheck.config

|-- index.php

`-- styles.css

### Customize your Elastic Beanstalk environment

To customize your environment, consider the following:

* Use the option\_settings key to modify the environment configuration. You can choose from [general options for all environments](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/command-options-general.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) and [platform-specific options](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/command-options-specific.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank).  
  Note: [Recommended values](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/command-options.html" \l "configuration-options-recommendedvalues" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) are applied when you create or update an environment on the Elastic Beanstalk API by a client. For example, the client could be the AWS Management Console, Elastic Beanstalk Command Line Interface (EB CLI), AWS CLI, or SDKs. Recommended values are directly set at the API level and have the highest [precedence](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/command-options.html" \l "configuration-options-precedence" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank). The configuration setting applied at the API level can't be changed using option\_settings, as the API has the highest precedence.
* [Precedence](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/command-options.html" \l "configuration-options-precedence" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) rules can result in your option\_settings modifications not being applied to the environment configuration. To remove the configurations directly applied during environment creation or make the update on the Elastic Beanstalk API, use the [update-environment](https://awscli.amazonaws.com/v2/documentation/api/latest/reference/elasticbeanstalk/update-environment.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) command with the --options-to-remove flag.
* If there are no option settings for your desired resource configuration, use the Resources key to [customize the resources](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/environment-resources.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) in your Elastic Beanstalk environment.  
  Note: Resources defined in configuration files are added to the AWS CloudFormation template that's used to launch your environment. All AWS CloudFormation [resource types](https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-template-resource-type-ref.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) are supported.
* Use keys to customize software on [Linux](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers-ec2.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) or [Windows](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers-windows-ec2.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) servers.

### Apply your custom settings to your application

1.    [Create an application source bundle](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/applications-sourcebundle.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank) that includes your configuration files.

Note: Folders starting with a period, such as .ebextensions, can be hidden by file browsers. To keep these folders visible, include the .ebextensions folder in the root of your application bundle when you create your application source bundle.

1. [Deploy your updated Elastic Beanstalk application](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.deploy-existing-version.html" \t "https://aws.amazon.com/premiumsupport/knowledge-center/elastic-beanstalk-configuration-files/_blank).

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