

# Elastic Search Installation

Voici la procédure pour installer l'agent APM pour TOMCAT Linux.

La dernière version actuelle est : [elastic-apm-agent-1.46.0.jar](#)

## Download the APM agent

Download the agent jar from [Maven Central](#). Do not add the agent as a dependency to your application.

## Start your application with the javaagent flag

Add the `-javaagent` flag and configure the agent with system properties.

- Set the required service name (allowed characters: a-z, A-Z, 0-9, -, \_, and space)
- Set the custom APM Server URL (default: `http://localhost:8200`)
- Set the APM Server secret token
- Set the service environment
- Set the base package of your application

### Configuration setting


### Configuration value

Configuration setting	Configuration value
Delastic.apm.service_name	my-service-name
Delastic.apm.secret_token	nv32xNSLMjK80VI793
Delastic.apm.server_url	https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243
Delastic.apm.environment	my-environment

```
1 | java -javaagent:/path/to/elastic-apm-agent-<version>.jar \  
2 | -Delastic.apm.service_name=my-service-name \  
3 | -Delastic.apm.secret_token=nv32xNSLMjK80VI793 \  
4 | -Delastic.apm.server_url=https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-  
  | ob.fr:9243 \  
5 | -Delastic.apm.environment=my-environment \  
6 | -Delastic.apm.application_packages=org.example \  
7 | -jar my-service-name.jar
```

Voici la procédure pour installer l'agent APM pour Ruby on Rails Linux.

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**Ruby on Rails**  
Configure instrumentation for Ruby on Rails applications.

**Install the APM agent**  
Add the agent to your Gemfile.

```
gem 'elastic-apm'
```

**Configure the agent**  
APM is automatically started when your app boots. Configure the agent, by creating the config file  
`config/elastic_apm.yml`

Configuration setting	Configuration value
service_name	my-service-name
secret_token	nv32xNSLMjK80VI793
server_url	https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243
environment	my-environment

```
1 | # config/elastic_apm.yml:
2 |
3 | i service_name: 'my-service-name'
4 |
5 | i secret_token: 'nv32xNSLMjK80VI793'
6 |
7 | i server_url: 'https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243'
8 |
9 | i environment: 'my-environment'
```

Voici la procédure pour installer l'agent APM pour TOMCAT Windows.

## 2 Edit the configuration

If you're using an X-Pack secured version of Elastic Stack, you must specify credentials in the `apm-server.yml` config file.

```
output.elasticsearch:
  hosts: ["<es_url>"]
  username: <username>
  password: <password>
```



## 3 Start APM Server

The server processes and stores application performance metrics in Elasticsearch.

```
Start-Service apm-server
```



## 4 APM Server status

Voici la procédure pour installer l'agent APM pour ASP.net.



.NET

**.NET**

Configure instrumentation for .NET applications.

### Download the APM agent

Add the the agent package(s) from [NuGet](#) to your .NET application. There are multiple NuGet packages available for different use cases.

For an ASP.NET Core application with Entity Framework Core download the [Elastic.Apm.NetCoreAll](#) package. This package will automatically add every agent component to your application.

In case you would like to minimize the dependencies, you can use the [Elastic.Apm.AspNetCore](#) package for just ASP.NET Core monitoring or the [Elastic.Apm.EfCore](#) package for just Entity Framework Core monitoring.

In case you only want to use the public Agent API for manual instrumentation use the [Elastic.Apm](#) package.

## Add the agent to the application

In case of ASP.NET Core with the `Elastic.Apm.NetCoreAll` package, call the `UseAllElasticApm` method in the `Configure` method within the `Startup.cs` file.

```
public class Startup

    public void Configure(IApplicationBuilder app, IHostingEnvironment env)

        app.UseAllElasticApm(Configuration);
        //_rest of the method

    //_rest of the class
```



Passing an `IConfiguration` instance is optional and by doing so, the agent will read config settings through this `IConfiguration` instance (e.g. from the `appsettings.json` file).

Configuration setting	Configuration value
ServiceName	my-service-name
SecretToken	nv32xNSLMjK80VI793
ServerUrl	https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243
Environment	my-environment

```
1 {
2   "ElasticApm": {
3     "ServiceName": "my-service-name",
4     "SecretToken": "nv32xNSLMjK80VI793",
5     "ServerUrl": "https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243",
6     "Environment": "my-environment",
7   }
8 }
```



Voici la procédure pour installer l'agent APM pour Node.js



### Node.js

Configure instrumentation for Node.js applications.

#### Install the APM agent

Install the APM agent for Node.js as a dependency to your application.

```
npm install elastic-apm-node --save
```



#### Configure the agent

Agents are libraries that run inside of your application process. APM services are created programmatically based on the `serviceName`. This agent supports a variety of frameworks but can also be used with your custom stack.

Configuration setting	Configuration value
serviceName	my-service-name
secretToken	nv32xNSLMjK80VI793
serverUrl	https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243
environment	my-environment

```
1 // Add this to the very top of the first file loaded in your app
2 var apm = require('elastic-apm-node').start({
3   ① serviceName: 'my-service-name',
4
5   ① secretToken: 'nv32xNSLMjK80VI793',
6
7   ① serverUrl: 'https://3608c6cb2bb74c299668d92e02aeef8.logaas.idfm-ob.fr:9243',
8
9   ① environment: 'my-environment'
10 })
```

