

# Newcomers - Onboarding - Gaining Access

## Contents

Project Overview: .....	1
Prerequisites for Development: .....	2
Access checklist: .....	2
Enabling MFA: .....	2
VICs, non-VICs, and VPN access .....	2
Access to GR CICD DXL pipeline .....	3
Access for JIRA and Confluence .....	3
Access for Github .....	3
Access for Mongo Atlas .....	4
Access to the Kubernetes cluster .....	4
Access for Splunk .....	5
Instana access .....	5
Proxies Setup for GR .....	5
Exceptions from Conditional Access Policy : BYOD Exception .....	6
General Knowledge .....	6
Spring Boot .....	6
Quarkus .....	6
Maven Local Setup .....	7
Project Useful links .....	7
General Knowledge .....	8
Spring Boot .....	8
Quarkus .....	8
Project Useful links .....	8

## Project Overview:

We are DXL (Digital eXperience Layer) Team, we are enabling the digital transformation for VF GR road-map as well as fulfilling BAU (Business as usual) projects. We are serving all front end channels like Mobile, Portal, web, etc.

**Setup:** We have three squads, two POs and Scrum Masters who are overseeing the teams. Each squad has a Tech lead, Seniors and testers. Applying scrum as a framework with 2 weeks sprint length. Our communication and documentation channels are [JIRA](#) and [Confluence](#), **No Emails** in general.

### Working model:

Backlog Grooming which has the potential tickets that the team will work on. It should give enough time for Tech leads and senior/s to check the readiness of the tickets and raise any potential questions to be answered and clarified during the sprint planning.

Active Sprint which concerns the development team. Each dev is the owner of his/her ticket in terms of analyzing, designing, implementing deploying, bug fixing and delivering the ticket. Each tester is the owner of his/her ticket as the developer but focusing on writing scripts that covers the most valuable business cases and find the edges. Testers and developers open PR to tech leads and SME with daily commits at the end of the day. The team is working on priorities clarified in the sprint planning day. The Tech leads, seniors and testers are responsible for the quality of the delivery.

Before starting a ticket, the dev team must add:

- 1- Size
- 2- The subtasks

## Prerequisites for Development:

- Docker
- JDK 8 + JDK 11
- Eclipse/IntelliJ
- Github desktop
- Kubernetes
- Postman/Insomnia
- SoapUI
- Slack
- Teams
- MongoDB
- Robo 3T or any other MongoDB client
- Python

## Access checklist:

1. Gain access to the VPN, and/or to the Citrix environment: [Admin Rights & Citrix Process](#)
2. Grant access:
  - Jenkins, Nexus, Instana, and SonarQube
  - JIRA and Confluence
  - Slack channels (in [vodafonegr.slack.com](https://vodafonegr.slack.com))
  - Github (GR repository and TSSE repository)
  - Grant access to the Greece namespaces Kubernetes
  - Splunk
  - CMS/Strapi
3. Send team meeting invitations

## Enabling MFA:

Follow the guide here: [https://vodafone.sharepoint.com/sites/MyDigitalWorkplace/Documents/ms%20authenticator%20installation%20guide%2020\\_2\\_.pdf](https://vodafone.sharepoint.com/sites/MyDigitalWorkplace/Documents/ms%20authenticator%20installation%20guide%2020_2_.pdf)

## VICs, non-VICs, and VPN access.

VIC Laptops are fully synced with Azure Directory, and thus have access to all company resources through the VPNs that are pre-configured, like VPN-GR-2. Those VPNs require the use of a certificate that is embedded inside the VIC laptop, which is not accessible from a normal user, not even an administrator. **However, VIC laptops have a limited set of tools installed, and the developer is unable to gain admin access.**

If you don't have a VIC laptop, you are in BYOD mode (Bring Your Own Device), which means that:

- You are considered to be using a non-vodafone machine, even if your machine was given to you by Vodafone.
- You lose access to the VF-Corporate network
- Your device is considered to be untrusted
- For any company resources you wish to visit, you will need to setup MFA (microsoft authenticator)
- Some resources will still be hidden from you You will need to setup your laptop

If you don't have a VIC Laptop, you will need to follow the guide here to gain access to the proper tools: [Non-Vodafone Laptops Setup Guide](#). This is what you need to setup if you don't have a VIC laptop

If you don't have a VIC laptop:

- You will need to setup your access to VPN-Agile VPN
  - You will also need to setup your access to the citrix environment.
  - [Non-Vodafone Laptops Setup Guide](#)
  - The Citrix environment is considered **to be trusted**.



For external colleagues, a VF employee must raise the below requests on your behalf:

- [CITRIX](#) (also check for [access](#))
- [VPN](#)

# Access to GR CICD DXL pipeline

You need to submit a form for that. It's accessible only through the Vodafone Corporate Network.

Visit this link: [https://collaborate.vodafone.com/sites/TDO-UAM/Lists/Requests%20%20IT%20AD%20Security%20Groups/OIT\\_Active\\_Directory/newifs.aspx?List=5e5c676d%2D4377%2D47e9%2D899b%2Dafaeab8efb63&RootFolder=&Web=712b23a2%2D7ebb%2D4633%2Db112%2Da5a1586d8c0c](https://collaborate.vodafone.com/sites/TDO-UAM/Lists/Requests%20%20IT%20AD%20Security%20Groups/OIT_Active_Directory/newifs.aspx?List=5e5c676d%2D4377%2D47e9%2D899b%2Dafaeab8efb63&RootFolder=&Web=712b23a2%2D7ebb%2D4633%2Db112%2Da5a1586d8c0c)

And complete the form with the following information:

- choose **STANDARD** choose
- **AD Group Membership**
- Domain: **vf-root**
- Security Group Name: **<<Security Group – check below>>**
- Owner Details: **roi.arapoglou@vodafone.com**
- Member Type: Standard Office Account
- User 1: **Your vodafone email**
- Related Service/ Project: **Digital Experience Layer (Greece) DXL**
- Purpose/justification: **DXL Development**

As "security group" you need to enter the following:

- APP-VF-GR-DXL-Nexus-User
- APP-VF-GR-DXL-Jenkins-User
- APP-VF-GR-DXL-Sonarqube-User

This section is for Cairo team only:

Visit this link:

<https://oneuam.vodafone.com/rc/one-rc/requests/templates> (vodafone.com)

And complete the form with the following information:

- select "Standard Group: Add or Remove members request"
- select action "Add member"
- Security Group Name: **<<Security Group – check below>>**
- select email that want to be added to the group
- Related Service/ Project: **Digital Experience Layer (Greece) DXL**
- Purpose/justification: **DXL Development**

As "security group" you need to enter the following:

- APP-VF-GR-DXL-Nexus-User
- APP-VF-GR-DXL-Jenkins-User
- APP-VF-GR-DXL-Sonarqube-User



Since you can only enter one security group at a time, that means that you need to repeat this process once per security group you wish to join. **And, yes, you need all of them.**

## Access for JIRA and Confluence

You will need to submit a request through Service Catalogue <https://servicecatalogue.vodafone.com/services/> Services Jira and Confluence Jira /Confluence User Access

Afterwards your SM/ CL /PO or any admin should be able to give you access on our board.

## Access to Slack

Any team member can invite you to [vodafonegr.slack.com](https://vodafonegr.slack.com)

## Access for Github

Request from the team's Chapter Lead (or SM) to grant you access on organization VFGR-DXL-Microservices and VFGR-MyVodafone Steps

AFTER Github migration can be found [here](#)

## Access for Mongo Atlas

Access to Mongo Atlas DashBoard <https://cps.jira.agile.vodafone.com/secure/RapidBoard.jspa?projectKey=GAT&rapidView=19832>  
sample ticket

**DXL-GR-PROD MongoDB Atlas Access**

Type: Demand  
Priority: 3-Major  
Affects Version/s: None  
Labels: None  
Epic Link: CUS - DXL on CaaS  
Technology/Area: MongoDB  
Task-Type: User Management  
Billable: Yes  
Team: Green  
Story Points: 1  
Cluster Name: DXL-PRD - 5y4cr  
Cluster Namespace: dxl-prd

Status: CLOSED  
Resolution: Done  
Fix Version/s: None

**Description**  
Due to job requirements as Dxl Dev of Web Engineering team i would like to kindly ask to provide Read Only access for **DXL-GR-PROD MongoDB Atlas**.  
User: christina.beta1@vodafone.com  
Above access would be necessary for troubleshooting reasons of production bugs cases for : **DXL**.  
FYI:  
• PO Core Dxl Team: Georgios Lamprinakos, Vodafone  
• Dxl Chapter Lead: Roi Arapoglou, Vodafone

## Access to the Kubernetes cluster

You first need to obtain a Kubernetes certificate:

The new Kubernetes access prodecure is based on DEX. That means that access to namespaces and

- [DEX Framework](#)
  - [DEX Login via Office 365](#)
  - [Request for Existing Security Groups](#)

Go here: [https://collaborate.vodafone.com/Sites/TDO-UAM/Lists/Requests%20%20OIT%20AD%20Security%20Groups/OIT\\_Active\\_Directory/newifs.aspx](https://collaborate.vodafone.com/Sites/TDO-UAM/Lists/Requests%20%20OIT%20AD%20Security%20Groups/OIT_Active_Directory/newifs.aspx)

Select "Add Users/Account"

Then, enter the security group and its owner, by selecting each from the table below:

### Groups for Preprod & Prod:

Cluster Name	Cluster ID	Security Group	SG Owner	Engineer
dxl-nonprd	48but	APP-VF-CaaS-Dxl-GR-NonProd-Operator	<a href="mailto:roi.arapoglou@vodafone.com">roi.arapoglou@vodafone.com</a>	DXL Devs
dxl-nonprd	48but	APP-VF-CaaS-Dxl-GR-NonProd-Admin	<a href="mailto:roi.arapoglou@vodafone.com">roi.arapoglou@vodafone.com</a>	DevOps (only)
dxl-nonprd	48but	APP-VF-CaaS-Dxl-GR-NonProd-View	<a href="mailto:roi.arapoglou@vodafone.com">roi.arapoglou@vodafone.com</a>	Devs and Testers
dxl-prod	5y4cr	APP-VF-CaaS-Dxl-GR-Prod-View	<a href="mailto:Amit.Pathak3@Vodafone.com">Amit.Pathak3@Vodafone.com</a>	3rd level support

Full list here: <https://cps.confluence.agile.vodafone.com/pages/viewpage.action?pageId=222662520>



Pay extra care to the owner of the security Group. If this is false, your request will get stuck or be rejected

Once those requests are approved and implemented you will be able to use the following links:

### Login URLs for Preprod and Prod

For DXL NonProd: <https://login.dxl-nonprod.aws.cps.vodafone.com/>

For DXL Prod: <https://login.dxl-prod.aws.cps.vodafone.com>

Inside those links there are setup instructions for gaining access to the each cluster. Those instructions will help you setup your local environment and use kubectl.

**This section is for Cairo team only:**

**Visit this link:**

<https://oneuam.vodafone.com/rc/one-rc/requests/templates> (vodafone.com)

And complete the form with the following information:

- select "Standard Group: Add or Remove members request"
- select action "Add member"
- Security Group Name: <<**Security Group – check below**>> select it from the above table
- select email that want to be added to the group
- Related Service/ Project: **Digital Experience Layer (Greece) DXL**
- Purpose/justification: **DXL Development**

## Access for Splunk

Please refer to [this page](#) for details.

- Splunk URL: [https://opsanalytics.vodafone.com/en-GB/app/MyVodafone\\_Greece](https://opsanalytics.vodafone.com/en-GB/app/MyVodafone_Greece) For support, reach out to TSS Splunk team: DL-Analytics-CoreEngineering-Team <[DL-analyticscoe@vodafone.com](mailto:DL-analyticscoe@vodafone.com)>

## Access for CMS/Strapi

need to raise a ticket to [https://jira.sp.vodafone.com/issues/?jql=labels%20%3D%20%22gr-dxl\\_strapi%2Fcreate\\_user%22](https://jira.sp.vodafone.com/issues/?jql=labels%20%3D%20%22gr-dxl_strapi%2Fcreate_user%22)

## Instana access

### Step 1

1. Go to [UAM Portal](#)
2. Select request for 'Active Directory Access (standard)'
3. Select 'STANDARD Active Directory Group' and 'AD Group Membership' 'Add Users/Account'
4. Security Group: APP-VF-Instana-Users
5. Owner details: Hartmut Nolte (check with [hartmut.nolte@vodafone.com](mailto:hartmut.nolte@vodafone.com))
6. Enter you email
7. Related Service/Project: DXL VF GR
8. Enter Justification

Submit request Step 2 o [Automation Demand Board](#) (for access please request from Deregibus, Giordano, Vodafone Group

<[giordano.deregibus1@vodafone.com](mailto:giordano.deregibus1@vodafone.com)>)

Raise a new request for accessing <https://vodafone-vodafone.instana.io/> for cluster dxl-prod-gr

Try to group as possible the demands for individual access, e.g. whole teams are advised to put in a single Jira demand all the colleagues who need Instana access.

**This section is for Cairo team only:**

**Visit this link:**

<https://oneuam.vodafone.com/rc/one-rc/requests/templates> (vodafone.com)

And complete the form with the following information:

- select "Standard Group: Add or Remove members request"
- select action "Add member"
- Security Group Name: APP-VF-Instana-Users
- select email that want to be added to the group
- Related Service/ Project: **Digital Experience Layer (Greece) DXL**
- Purpose/justification: **DXL Development**

## Proxies Setup for GR



If you intend to work from inside the Corporate Network, please read how to set up your proxies for your system: [Proxies setup for Greece](#)

Onboarding checklist:

- ☐ 1. Development in Quarkus / Mutiny/ Streams
- ☐ 2. CI/CD pipelines
- ☐ 3. Deployments development
- ☐ 4. [Deployments production](#)
- ☐ 5. Dev bug fixing and troubleshooting
- ☐ 6. Prod bug fixing and troubleshooting
- ☐ 7. Karate script testing
- ☐ 8. Familiarity with processes:
  - [Team protocols](#)
  - [Technical Documentation](#)
  - [Writing Code: Practices & Setups](#)
  - [Code reviews](#)
  - [DXL Production support model](#)
  - [Test environment processes](#)
  - [Useful contacts](#)

## Exceptions from Conditional Access Policy : BYOD Exception

Unable to render {include} The included page could not be found.

[Exceptions from Conditional Access Policy : BYOD Exception](#)

## General Knowledge

- **Dependency injection** - Useful for Spring and Java EE stacks (i.e. Quarkus) <https://www.javagists.com/dependency-injection-design-pattern> <https://swagger.io/> **We are an API - First team.** That means that we are designing and implementing the API specification first, then writing the code that implements it. You should be familiar with the REST API.
- <https://microprofile.io/projects/> Microprofile - Specification determining how future Java apps will be built for clouds and clusters - Quarkus is compliant with it.
- Webmail: VF <https://outlook.office.com/mail/inbox> Externals <https://webmail-north.vodafone.com/owa/#path=/mail>

## Technologies:

- [Maven](#)
  - [Web-services \( SOAP and REST\)](#)
  - [Testing Web-Services with POSTMAN](#)
  - [Spring Boot](#)
  - [Quarkus](#)
  - [Spring Data and MongoDB](#)
  - [Microservices](#)
  - [Kubernetes](#)
  - [Spring Kafka](#)
  - [Node.js](#)
- Karate

## Spring Boot

- Youtube: [https://www.youtube.com/watch?list=PLZdfbl\\_OZWAPcCl2ok9vCK8EA1E4uhPqm&v=eXfGQ6gB5sE](https://www.youtube.com/watch?list=PLZdfbl_OZWAPcCl2ok9vCK8EA1E4uhPqm&v=eXfGQ6gB5sE)  
<https://spring.io/projects/spring-boot>

## Quarkus

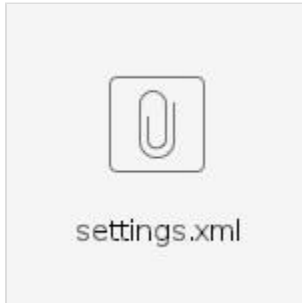
The best resource is the website, with tutorials and examples. Some links here - follow the tutorials.

- <https://quarkus.io/> <https://resteasy.github.io/docs.html>

# Maven Local Setup

After your maven installation you will need to setup the settings in order to work. Go to your home folder and create a folder if it **does not exist** named .m2 the final path will be **\$HOME/.m2**

After that download the file **below** and paste it inside the .m2



Then inside the **settings.xml** file replace all the **VODAFONE-EMAIL-HERE** with your email and **ENCRYPTED PASSWORD HERE SEE NEXT ARTICLE ON HOW TO ENCRYPT IT** with your encrypted password.

(see **How To Encrypt Your Maven Password** for more)

## How To Encrypt Your Maven Password

1. Create a file inside your .m2 folder named **settings-security.xml**
2. Run the following command in the terminal **mvn --encrypt-master-password** press enter and type your master password
3. Copy the output from the terminal and paste it inside the **settings-security.xml** like this (Note don't forget to also copy the curly brackets { } )

```
<settingsSecurity>
  <master>PASTE THE OUT OF THE TERMINAL HERE</master>
</settingsSecurity>
```

4. Now back in the terminal run **mvn --encrypt-password** and type your password the settings.xml file
5. Replace every password inside your settings.xml with the encrypted one that you copied from the terminal (Don't forget to include the the curly brackets { } )

### EXAMPLE

```
<settings>
...
  <servers>
...
    <server>
      <id>my.server</id>
      <username>foo@vodafone.com</username>
      <password>{COQLCE6DU6GtcS5P=}</password>
    </server>
...
  </servers>
...
</settings>
```

## Project Useful links

You will find Project/Market tools Useful links at:

<https://confluence.sp.vodafone.com/display/VGDALPD/Project+Useful+Links>

## General Knowledge

- **Dependency injection** - Useful for Spring and Java EE stacks (i.e. Quarkus) <https://www.javagists.com/dependency-injection-design-pattern> <https://swagger.io/> **We are an API - First team**. That means that we are designing and implementing the API specification first, then writing the code that implements it. You should be familiar with the REST API.
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  - [Spring Boot](#)
  - [Quarkus](#)
  - [Spring Data and MongoDB](#)
  - [Microservices](#)
  - [Kubernetes](#)
  - [Spring Kafka](#)
  - [Node.js](#)
- Karate

## Spring Boot

- Youtube: [https://www.youtube.com/watch?list=PLZdfbl\\_OZWAPcCI2ok9vCK8EA1E4uhPqm&v=eXfGQ6gB5sE](https://www.youtube.com/watch?list=PLZdfbl_OZWAPcCI2ok9vCK8EA1E4uhPqm&v=eXfGQ6gB5sE)  
<https://spring.io/projects/spring-boot>

## Quarkus

The best resource is the website, with tutorials and examples. Some links here - follow the tutorials.

- <https://quarkus.io/> <https://resteasy.github.io/docs.html>

## Project Useful links

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