Newcomers - Onboarding - Gaining Access

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)
   - 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%20%20%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 envvironment 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%20OIT%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

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

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

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	roi.arapoglou@vodafone.com	DXL Devs
dxl-nonprd	48but	APP-VF-CaaS-Dxl-GR-NonProd-Admin	roi.arapoglou@vodafone.com	DevOps (only)
dxl-nonprd	48but	APP-VF-CaaS-Dxl-GR-NonProd-View	roi.arapoglou@vodafone.com	Devs and Testers
dxl-prod	5y4cr	APP-VF-CaaS-Dxl-GR-Prod-View	Amit.Pathak3@Vodafone.com	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 folllowing 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
- For support, reach out to TSS Splunk team:
  DL-Analytics-CoreEngineering-Team <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

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)
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>)

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. CICD 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=PLZdfbI_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

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
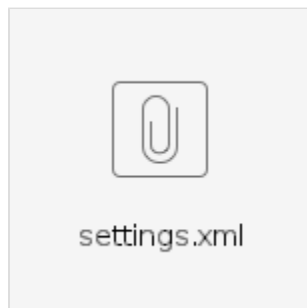
settings.xml

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 pasted in 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.
- 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=PLZdfbI_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/
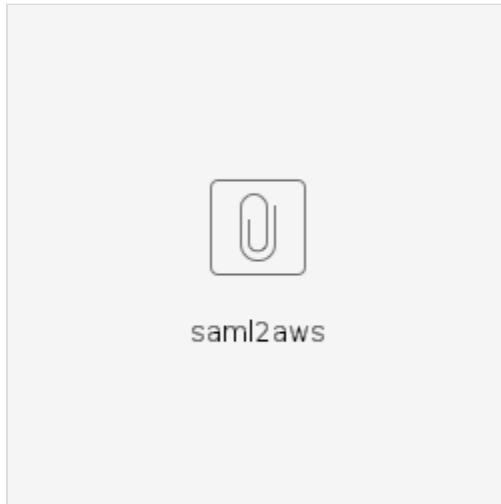- https://resteasy.github.io/docs.html

Project Useful links

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ECommerce Access: Tools & Environments

saml2aws

- GitHub
- CI/CD Tools
    - Jenkins
    - Sonar
- AWS and User Security Groups Access
    - Request Access to Security Group
        - Go to the Access Request Centre in the UAM Portal
        - In the Filter Area choose "Office IT"
        - From the list of available requests, choose "Security Group Membership (NON administrative)"
        - Choose "AD Group Membership", "Add Users/Account"and click"Start Request"
        - Fill in the required details
        - Click "Next".
        - Review the information and click "Submit"
    - Request Access to cluster
        - Go to the Access Request Centre in the UAM Portal
        - In the Filter Area choose "Office IT"
        - From the list of available requests, choose "Security Group Membership (NON administrative)"
        - Choose "AD Group Membership", "Add Users/Account"and click"Start Request"
        - Fill in the required details
        - Click "Next".
        - Review the information and click "Submit"
    - Install AWS CLI
    - Install SSM-Plugin
    - Install saml2aws
    - Create AWS configuration
    - AWS login
- Below link has description of all broadleaf services

GitHub

The Github organization for our ECommerce is: https://github.vodafone.com/VFGR-ECommerce-Broadleaf

CI/CD Tools

Jenkins

You can access Jenkins through Citrix using the following URL: https://jenkins-test.aws.internal.vodafone.gr/

Credentials: Jenkins is integrated with Github, so you only need to authorize Jenkins to access your account.

Sonar

You can access Sonarqube through Citrix using the following URL: https://sonarqube-test.aws.internal.vodafone.gr

Credentials: Sonarqube is integrated with Github, so you only need to authorize Jenkins to access your account.

AWS and User Security Groups Access

Here you can find instructions on how to setup the access to k9s tool in staging environment. The instructions are based on Linux environment, but with small changes you can use them for windows environment, too. The only change would be to download the windows executables for AWS CLI and SSM-Plugin.

Request Access to Security Group

Follow the bellow steps in order to login to BLF Prod using your vodafone account

Go to the Access Request Centre in the UAM Portal

In the Filter Area choose "Office IT"

Links to non ARC user access webforms can now be found here!

Search Keyword

[   ]   [Search]

Filter Area
- ○ Data Centre
- ○ Application
- ● Office IT
- ○ VSSI Services   [Remove Filter]

Access Request   Description   Request Platform   Area

From the list of available requests, choose "Security Group Membership (NON administrative)"

Outlook DL - Distribution List	Outlook distribution list request	ARC Webform	OIT
Room Mailbox	Room mailbox request including calender fo...	ARC Webform	OIT
Security Group Membership (ADMINISTRATIVE)	Access request for administrative user to be ...	ARC Webform	OIT
Security Group Membership (NON administrative)	Access request for standard user to be added ...	ARC Webform	OIT
Security Group Ownership	Access request for re-/assigning the Security ...	ARC Webform	OIT
Shared Mailbox	Shared/functional mailbox request for a com...	ARC Webform	OIT

Choose "AD Group Membership", "Add Users/Account"and click"Start Request"

Active Directory Group Request

Select Type	● STANDARD Active Directory Group
	○ ADMIN Active Directory Group
Requested Action	● AD Group Membership
	● Add Users/Account
	○ Remove Users/Account
	○ AD Group Configuration

Info AD Groups with the Active Directory account

Start Request >

Fill in the required details

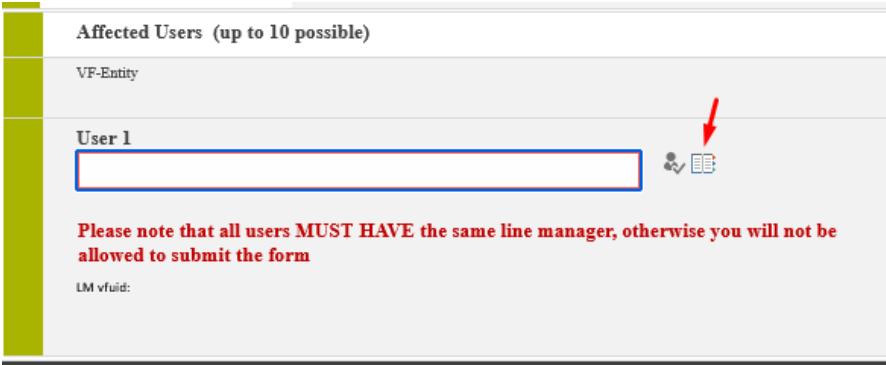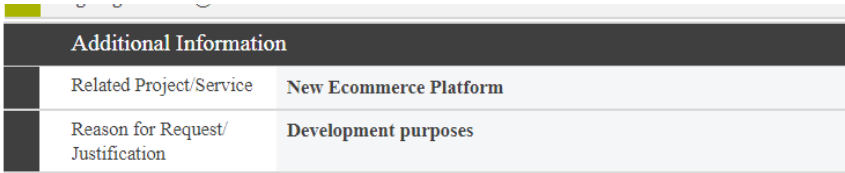|	
Domain: "vf-root" **User Security Groups:** **APP-GR-BROADLEAF-PROD-ADMIN** (Devs and AO) **APP-GR-BROADLEAF-PROD-AUTHOR** (Product Authors) **APP-GR-BROADLEAF-PROD-BACK_OFFICE_AGENT** (Backoffice Agents) **APP-GR-BROADLEAF-PROD-CALL_CENTER_AGENT** (Call center Agents)	**Security Group Details** Domain* : vf-root Security Group Name* : APP-VF-AWS-195126729841-Administrator

Owner Details for APP-GR-BROADLEAF-PROD- ADMIN: nikolas.kiamilis@vodafone.com
 	
Owner Details for:
 	
APP-GR-BROADLEAF-PROD-AUTHOR
 	
APP-GR-BROADLEAF-PROD-BACK_OFFICE_AGENT
 	
APP-GR-BROADLEAF-PROD-CALL_CENTER_AGENT
 	
varvara.papachristou1@vodafone.com
	Security Group Details
	
	Domain* : vf-root
	
	Security Group Name* : APP-GR-BROADLEAF-PROD-ADMIN
	
	Please click here for more details on AD Groups to request access for International Networks Deployment Application.
	
	Owner of AD Group
	
	Owner Details* : nikolas.kiamilis@vodafone.com;
	NO functional mailboxes or DLs possible as owners
	VF-Entity
	VF-Group
	
	First Name: Nikolas Last Name: Kiamilis
	
	VF-Email
	nikolas.kiamilis@vodafone.com
	
	AD Group Membership
	to be added to the AD Group
	
	Member Type* :
	◉ Personalized User (Office Account)
	  ◉ Standard Office Account
	  ○ Admin AD Account
	○ Service/Functional Account

Add the Vodafone users you wish to make members of the AD Group e.g. User 1: your.name@vodafone.com	**Affected Users (up to 10 possible)** VF-Entity **User 1** [ ] 👤 📇 ← *Please note that all users MUST HAVE the same line manager, otherwise you will not be allowed to submit the form* LM vfuid:
Related Project/Service: New Ecommerce Platform **AWS request - Reason for Request/ Justification:** Development purposes **User group request - Reason for Request/ Justification:** User registration	**Additional Information** | Related Project/Service	**New Ecommerce Platform**
Reason for Request/ Justification	**Development purposes**	

Click "Next".

Review the information and click "Submit"

Request Access to cluster

Go to the Access Request Centre in the UAM Portal

In the Filter Area choose "Office IT"

Links to non ARC user access webforms can now be found here!

Search Keyword

[   ] [Search]

Filter Area
- ○ Data Centre
- ○ Application
- ◉ Office IT
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Access Request	Description	Request Platform	Area	

From the list of available requests, choose "Security Group Membership (NON administrative)"

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Security Group Membership (NON administrative)	Access request for standard user to be added …	ARC Webform	OIT
Security Group Ownership	Access request for re-/assigning the Security …	ARC Webform	OIT
Shared Mailbox	Shared/functional mailbox request for a com…	ARC Webform	OIT

Choose "AD Group Membership", "Add Users/Account" and click "Start Request"

Active Directory Group Request

Select Type

- ◉ STANDARD Active Directory Group
- ○ ADMIN Active Directory Group

Info AD Groups with the Active Directory account

Requested Action

- ◉ AD Group Membership
  - ◉ **Add** Users/Account
  - ○ **Remove** Users/Account
- ○ AD Group Configuration

Start Request >

Fill in the required details

Domain: "vf-root" **AWS Security Groups:** **APP-GR-AWS-400823147836-EcommerceDeveloper** (for dev cluster) or **APP-GR-AWS-413714401263-EcommerceDeveloper** (for test cluster) or **APP-VF-AWS-650580578820-Developers** (for preprod cluster) or **APP-GR-AWS-987470296864-Developers** (for prod cluster)	**Security Group Details** Domain* vf-root Security Group Name* APP-VF-AWS-195126729841-Administrator
Owner Details for Dev and Test envs: nikolas.kiamilis@vodafone.com **Owner Details for Preprod and Prod envs:** nick.syntychakis@vodafone.com;	Security Group Name* APP-VF-AWS-650580578820-Developers Please click here for more details on AD Groups to request access for International Networks Deployment Application. **Owner of AD Group** Owner Details* nick.syntychakis@vodafone.com; NO functional mailboxes or DLs possible as owners VF-Entity VF-Group First Name Last Name Nick Syntychakis VF-Email nick.syntychakis@vodafone.com

Add the Vodafone users you wish to make members of the AD Group e.g. User 1: your.name@vodafone.com	**AD Group Membership** to be added to the AD Group **Member Type*** ⦿ User (Office Account) ○ Service/Functional Account **Affected Users (up to 10 possible)** NOTE All users must have the same line/hiring manager as the first user entered - in other cases, please fill out a separate form. VF-Entity **User 1** [ ]
Related Project/Service: New Ecommerce Platform **AWS request - Reason for Request/ Justification:** Development purposes **User group request - Reason for Request/ Justification:** User registration	**Additional Information** Related Project/Service **New Ecommerce Platform** Reason for Request/ Justification **Development purposes**

Click "Next".

Review the information and click "Submit"

****Keep in mind that once the form is granted you should communicate with another user that has ADMIN rights on BLF in order your user to be created also on BLF side.**

Install AWS CLI

In your home directory download file: https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip

and run the following commands. The last one just checks that installation was successful.

```
unzip awscli-exe-linux-x86_64.zip
sudo ./aws/install
aws --version
```

Install SSM-Plugin

In your home directory download file: https://s3.amazonaws.com/session-manager-downloads/plugin/latest/ubuntu_64bit/session-manager-plugin.deb

and run the following commands. The last one just checks that installation was successful.

```
sudo dpkg -i session-manager-plugin.deb
session-manager-plugin
```

Install saml2aws

In your home directory download file: saml2aws ,

make it executable

, and run the following commands. The *configure* command requires input from your side. An example run is included in the following code block, displaying both input (rows prefixed with ?) and output (rows following the input) fields.

Explanation of configuration input:

- We create a profile "ecdev" (eCommerce Developer) to store our configuration.
- We set an expiration of the AWS token that will be later issued for our user to 7200 seconds. You can change this value, but do not use more than some hours, as this might create security issues. Keep this value to the minimum you would need and never more than 8 hours.
- Password field: empty (just press Enter)

```
george@george-virtual-machine:~$ ./saml2aws configure --profile=ecdev --session-duration=7200
? Please choose a provider: AzureAD
? Please choose an MFA PhoneAppOTP
? AWS Profile ecdev
? URL https://account.activedirectory.windowsazure.com
? Username george.sorotos@vodafone.com
? App ID 78f5464b-e016-4fdb-9478-ba285b87fb8e

? Password
No password supplied

account {
  AppID: 78f5464b-e016-4fdb-9478-ba285b87fb8e
  URL: https://account.activedirectory.windowsazure.com
  Username: george.sorotos@vodafone.com
  Provider: AzureAD
  MFA: PhoneAppOTP
  SkipVerify: false
  AmazonWebservicesURN: urn:amazon:webservices
  SessionDuration: 7200
  Profile: ecdev
  RoleARN:
  Region:
}

Configuration saved for IDP account: default
```

Create AWS configuration

Before moving to the next step, make sure you have a file: ~/.aws/config , with contents:

```
[default]
region = eu-south-1
output = json

[profile ecdev]
region = eu-south-1
source_profile = default
```

** If you have to create it make sure the owner of this file is your user and not root user.

AWS login

In your home directory run the following command to login generate and fetch an AWS developer token. An example run is included in the following code block, displaying both input (rows prefixed with ?) and output (rows following the input) fields.

Explanation of configuration input/output:

- When accessing the cluster from public network, make sure you do not have any proxy environment variable set up (use this shell command to unset: *unset HTTPS_PROXY && HTTP_PROXY*)
- We request a token using the "ecdev" profile we created in previous step.
- We provide our Vodafone credentials, that will be validated against ADFS.
- Provide the security token from Microsoft Authenticator application (replace 123456 in the following example)

(please note that the following setting should be in place in you Microsoft Authenticator Setup)
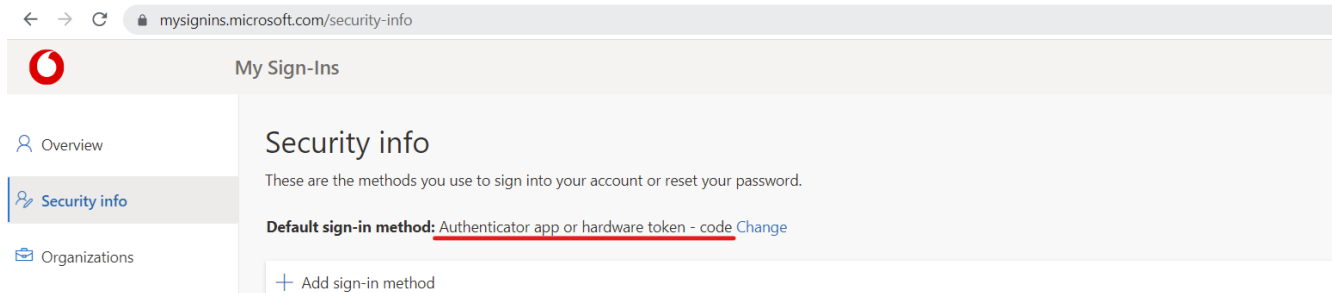
- We provide the role we what to use to connect. Select the appropriate entry from a list of available options.
- If the process is successful, you are notified that the newly created token will expire at a specific datetime (and the file ~/.aws/credentials is updated with the token information). After this timestamp you need to run again the login step to get a new token.

```
george@george-virtual-machine:~$ ./saml2aws login --profile ecdev --session-duration 3600
Using IDP Account default to access AzureAD https://account.activedirectory.windowsazure.com
To use saved password just hit enter.
? Username george.sorotos@vodafone.com
? Password **************

Authenticating as george.sorotos@vodafone.com ...
? Enter verification code 866045
? Please choose the role Account: aws-vfgr-ecommerce-preprod (650580578820) / Developers
Selected role: arn:aws:iam::650580578820:role/Developers
Requesting AWS credentials using SAML assertion
Logged in as: arn:aws:sts::650580578820:assumed-role/Developers/george.sorotos@vodafone.com

Your new access key pair has been stored in the AWS configuration
Note that it will expire at 2024-04-12 16:53:46 +0300 EEST
To use this credential, call the AWS CLI with the --profile option (e.g. aws --profile ecdev ec2 describe-instances).
```

To retrieve the latest kubernetes configuration per env, run:

Prod

```
[g.sorotos@mgmt01 ~]$ aws --profile ecdev eks update-kubeconfig --name prod-ecommerce-eks
```

Preprod

```
[g.sorotos@mgmt01 ~]$ aws --profile ecdev eks update-kubeconfig --name preprod-ecommerce-eks
```

Test

```
[g.sorotos@mgmt01 ~]$ aws --profile ecdev eks update-kubeconfig --name ecommerce-test
```

Dev

```
[g.sorotos@mgmt01 ~]$ aws --profile ecdev eks update-kubeconfig --name digital-dev
```

Below link has description of all broadleaf services

https://developer.broadleafcommerce.com/services

3rd Level Dev Support Calendar

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