

ECommerce Access: Tools & Environments

Contents

GitHub.....	1
CI/CD Tools	1
Jenkins	1
Sonar.....	1
AWS and User Security Groups Access.....	2
Request Access to Security Group	2
Request Access to cluster	5
Install AWS CLI	8
Install SSM-Plugin.....	9
Install saml2aws.....	9
Create AWS configuration	10
AWS login	10
Below link has description of all broadleaf services	12

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

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

Access Request	Description	Request Platform	Area
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	<div><input checked="" type="radio"/> STANDARD Active Directory Group</div> <div><input type="radio"/> ADMIN Active Directory Group</div>	Info AD Groups with the Active Directory account
Requested Action	<div><input checked="" type="radio"/> AD Group Membership</div> <div><div><input checked="" type="radio"/> Add Users/Account</div><div><input type="radio"/> Remove Users/Account</div></div> <div><input type="radio"/> AD Group Configuration</div>	
<div>Start Request ></div>		

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:

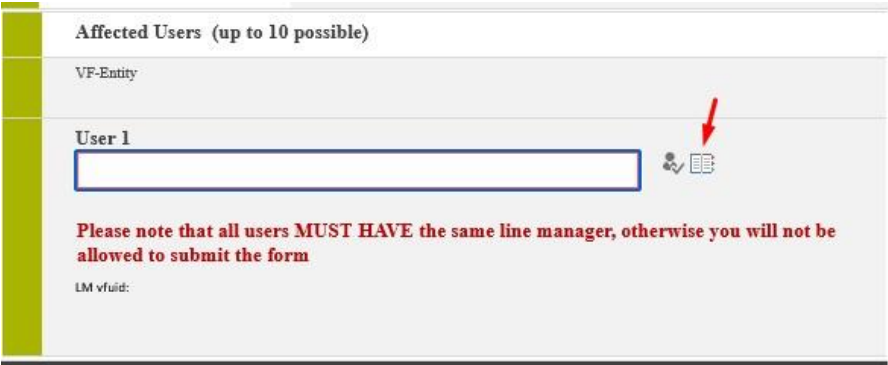

APP-GR-BROADLEAF-PROD-AUTHOR

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*	<div>nikolas.kiamilis@vodafone.com</div> <div>NO functional mailboxes or DLs possible as owners</div> <div>VF-Entity</div> <div>VF-Group</div> <div><div>First Name</div><div>Nikolas</div><div>Last Name</div><div>Kiamilis</div></div> <div><div>VF-Email</div><div>nikolas.kiamilis@vodafone.com</div></div>
AD Group Membership to be added to the AD Group	
Member Type*	<div><input checked="" type="radio"/> Personalized User (Office Account)</div> <div><input checked="" type="radio"/> Standard Office Account</div> <div><input type="radio"/> Admin AD Account</div> <div><input type="radio"/> Service/Functional Account</div>

<p>Add the Vodafone users you wish to make members of the AD Group</p> <p>e.g. User 1: your.name@vodafone.com</p>							
<p>Related Project/Service: New Ecommerce Platform</p> <p>AWS request - Reason for Request/Justification: Development purposes</p> <p>User group request - Reason for Request/Justification: User registration</p>	 <table border="1"> <thead> <tr> <th colspan="2">Additional Information</th> </tr> </thead> <tbody> <tr> <td>Related Project/Service</td> <td>New Ecommerce Platform</td> </tr> <tr> <td>Reason for Request/Justification</td> <td>Development purposes</td> </tr> </tbody> </table>	Additional Information		Related Project/Service	New Ecommerce Platform	Reason for Request/Justification	Development purposes
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
- ☐ VSSI Services

Remove Filter

Access Request	Description	Request Platform	Area
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From the list of available requests, choose “Security Group Membership (NON administrative)”

Outlook DL - Distribution List	Outlook distribution list request	ARC Webform	OIT
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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

Start Request >

Info

AD Groups with the Active Directory account

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		

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

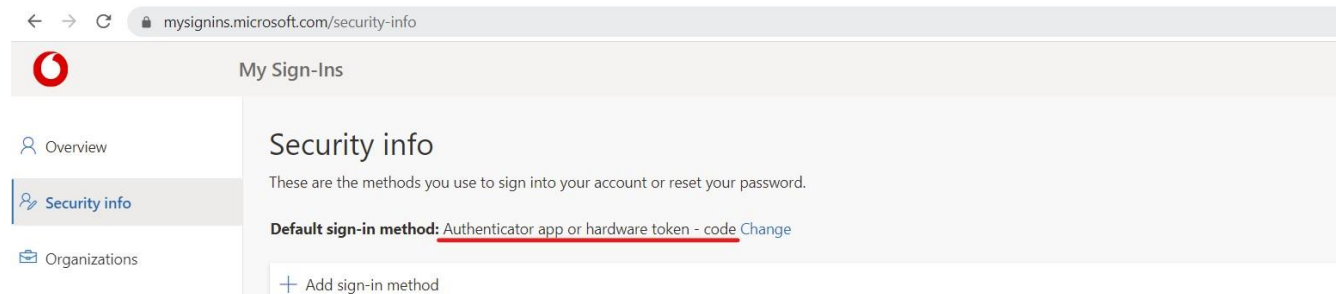
AWS login

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 your Microsoft Authenticator Setup)



- We provide the role we want 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>