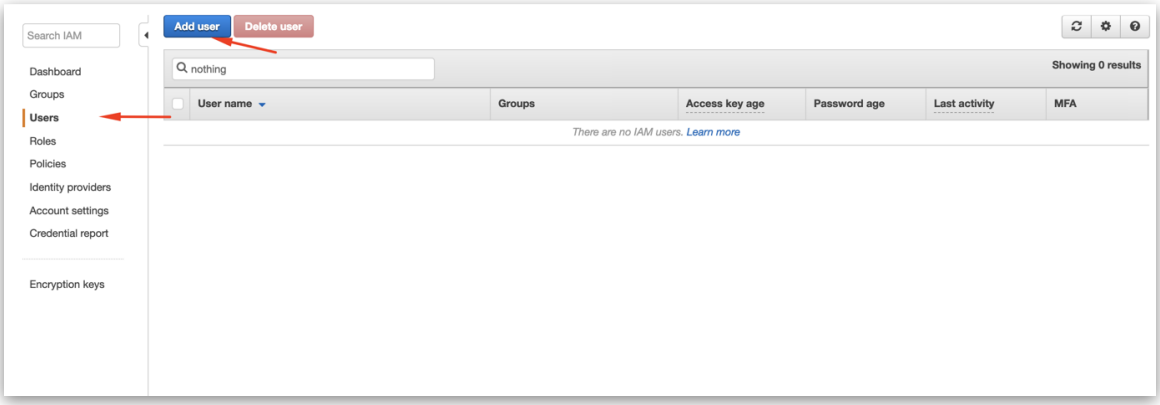
Integrating AVANAN with AWS S3 for Splunk logs - Part One

Step-1:

- Go to AWS IAM: https://console.aws.amazon.com/iam/home#/home

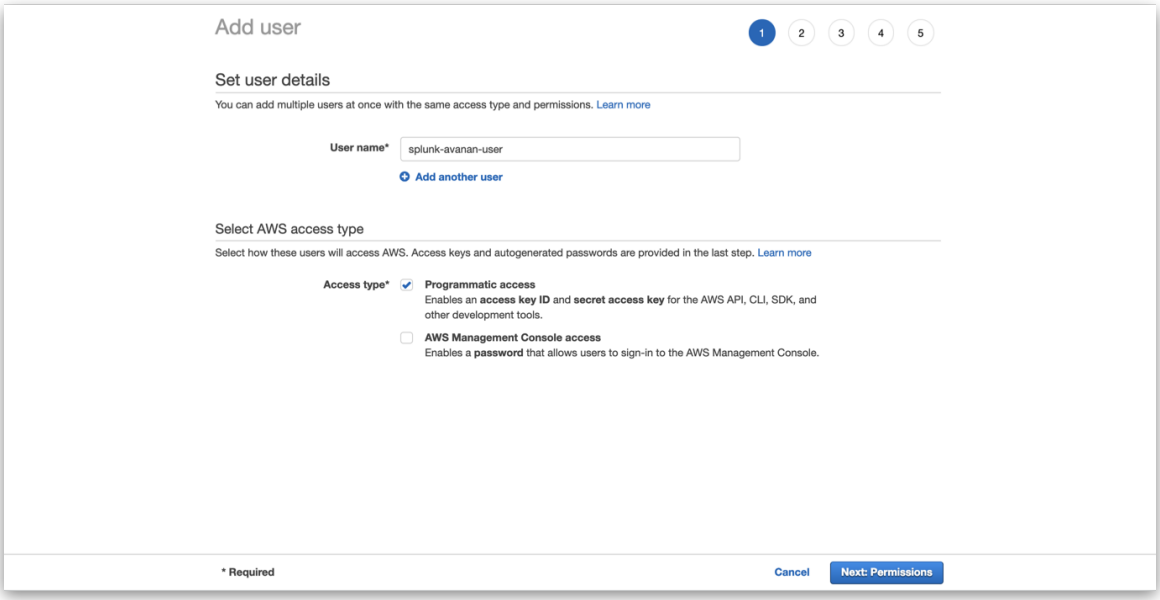
Step-2:

- Click on Users > Add user



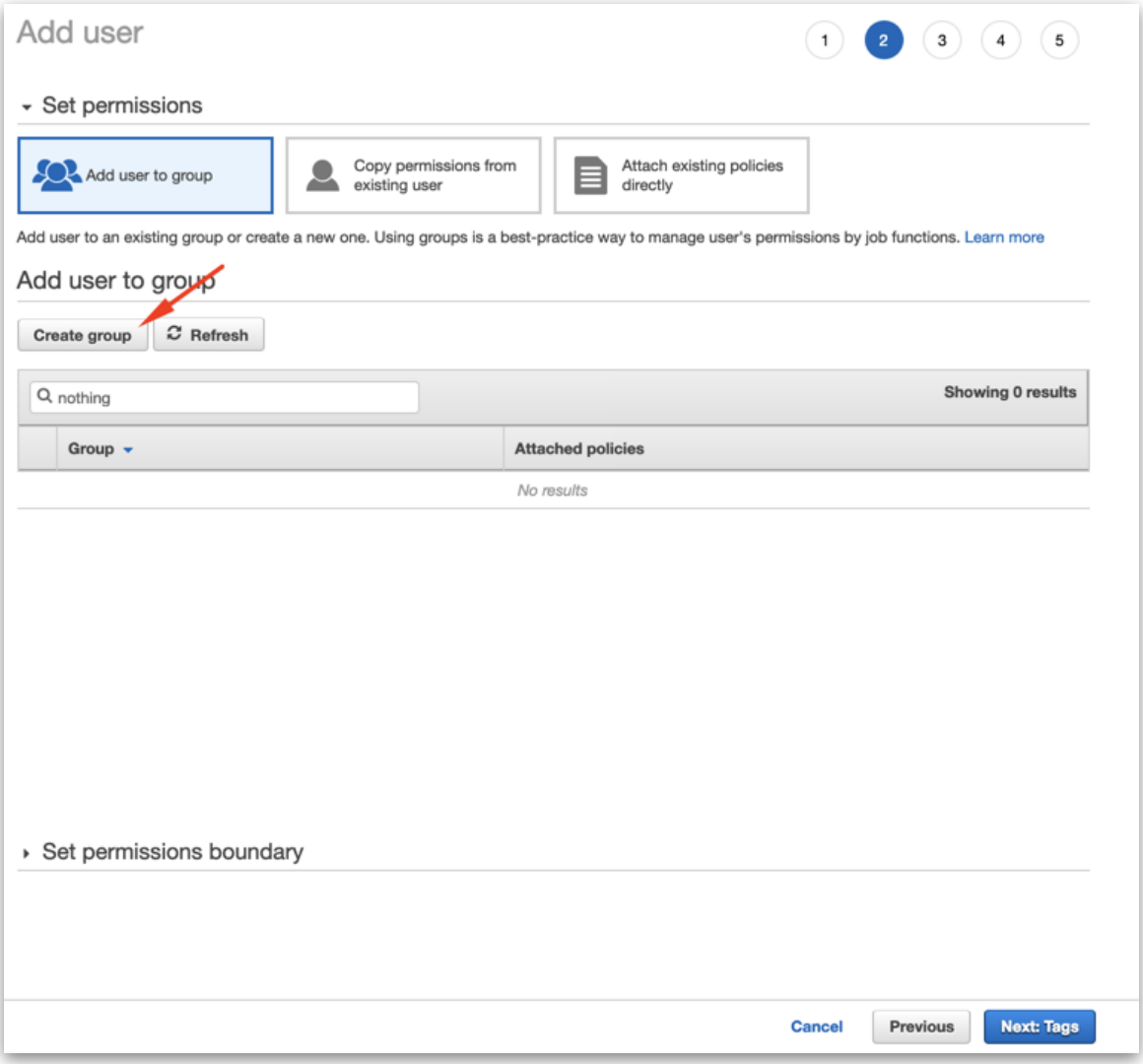
Step-3:

- Select a name and enable “Programmatic access”, click “Next: Permissions”



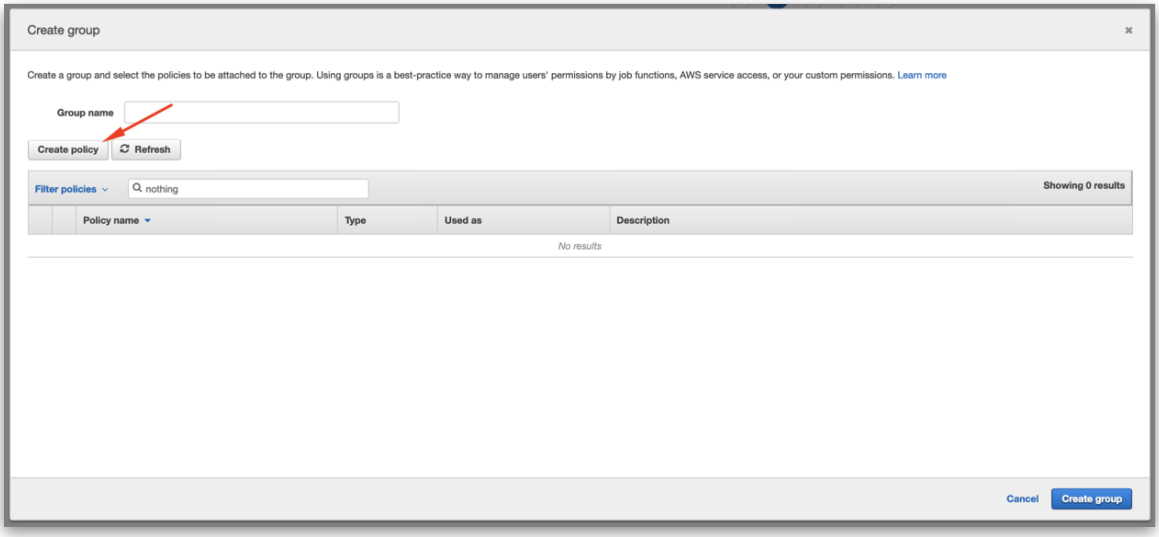
Step-4:

- Click on “Create group” (or the right group if already created)



Step-5:

- Click on “Create policy” (or select the right policy if already created)

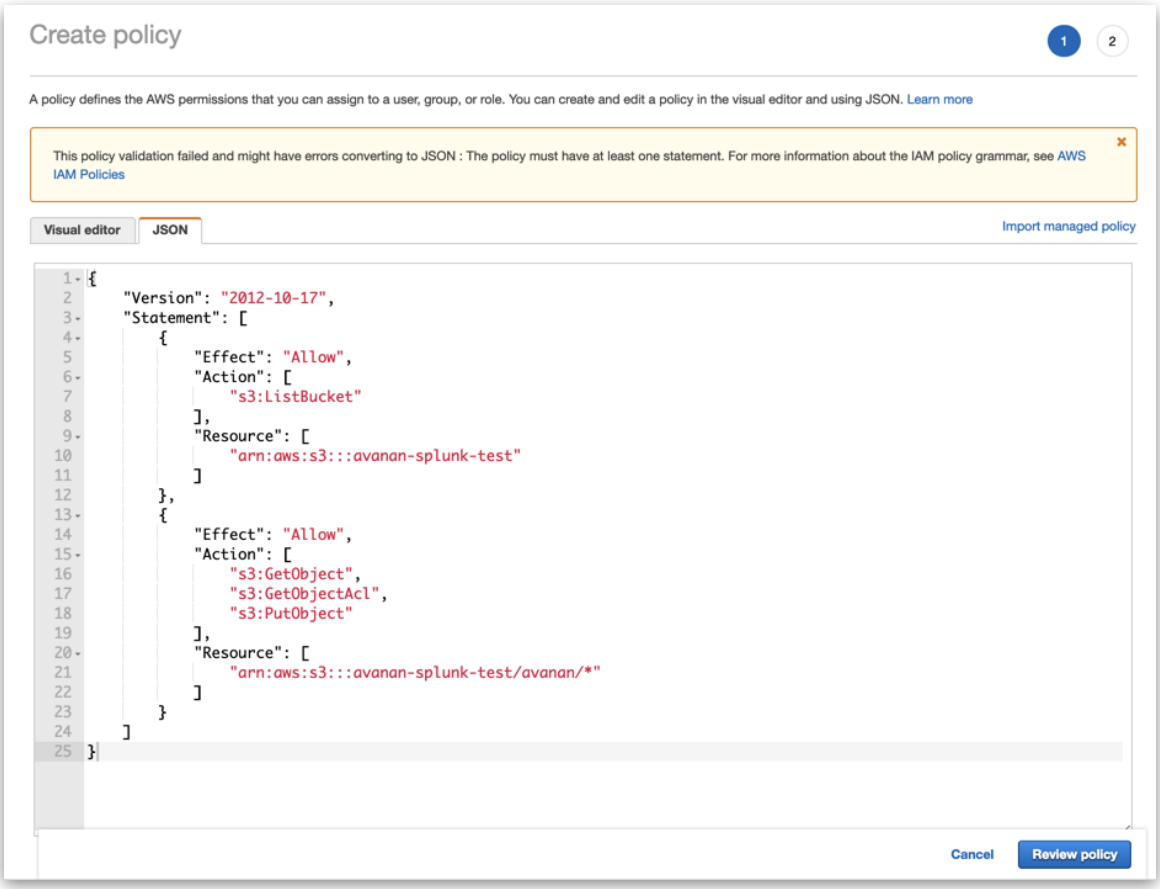


Step-6:

- On the new tab, click on JSON and copy this over:

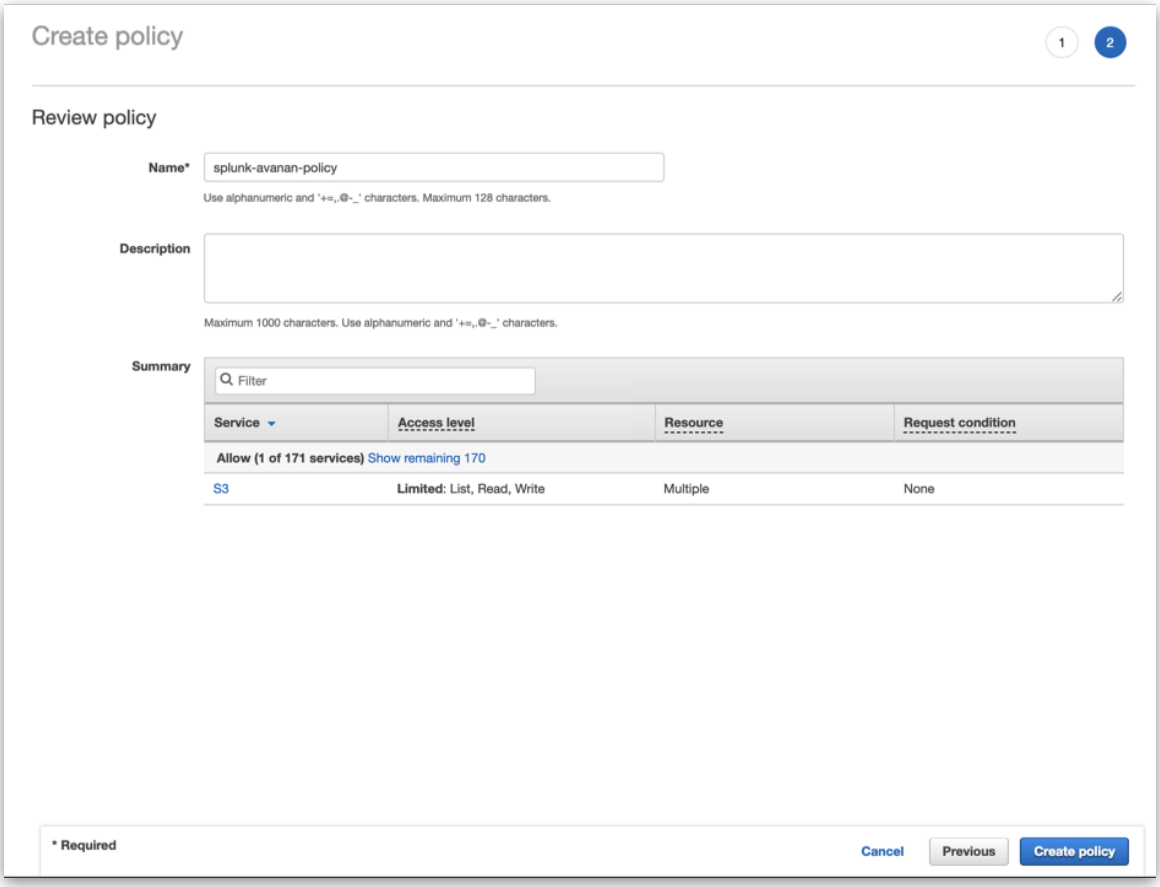
```
{
   "Version": "2012-10-17",
   "Statement": [
      {
         "Effect": "Allow",
         "Action": [
            "s3:ListBucket"
         ],
         "Resource": [
            "arn:aws:s3:::YOUR_S3_BUCKET"
         ]
      },
      {
         "Effect": "Allow",
         "Action": [
            "s3:GetObject",
            "s3:GetObjectAcl",
            "s3:PutObject"
         ],
         "Resource": [
            "arn:aws:s3:::YOUR_S3_BUCKET/THE_LOG_FOLDER_IF_ANY/*"
         ]
      }
   ]
}
```

- For example:


Create policy
1
2
A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. Learn more
This policy validation failed and might have errors converting to JSON : The policy must have at least one statement. For more information about the IAM policy grammar, see AWS IAM Policies
Visual editor
JSON
Import managed policy
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"s3:ListBucket"
],
"Resource": [
"arn:aws:s3:::avanan-splunk-test"
]
},
{
"Effect": "Allow",
"Action": [
"s3:GetObject",
"s3:GetObjectAcl",
"s3:PutObject"
],
"Resource": [
"arn:aws:s3:::avanan-splunk-test/avanan/*"
]
}
]
}
Cancel
Review policy

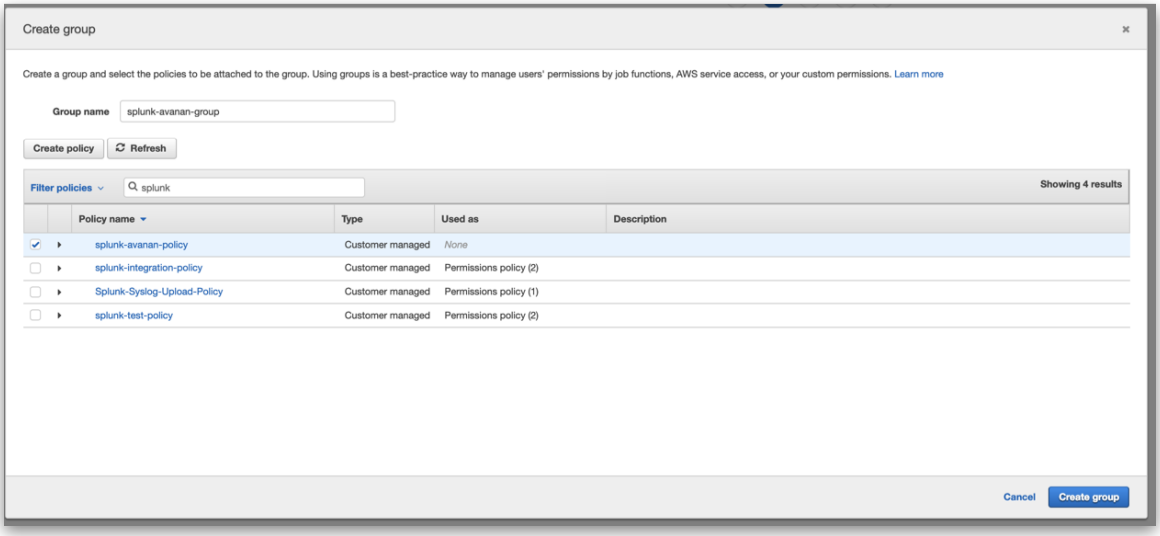
Step-7:

- Click on Review Policy
- On the next screen, select a policy name and click on “Create Policy”



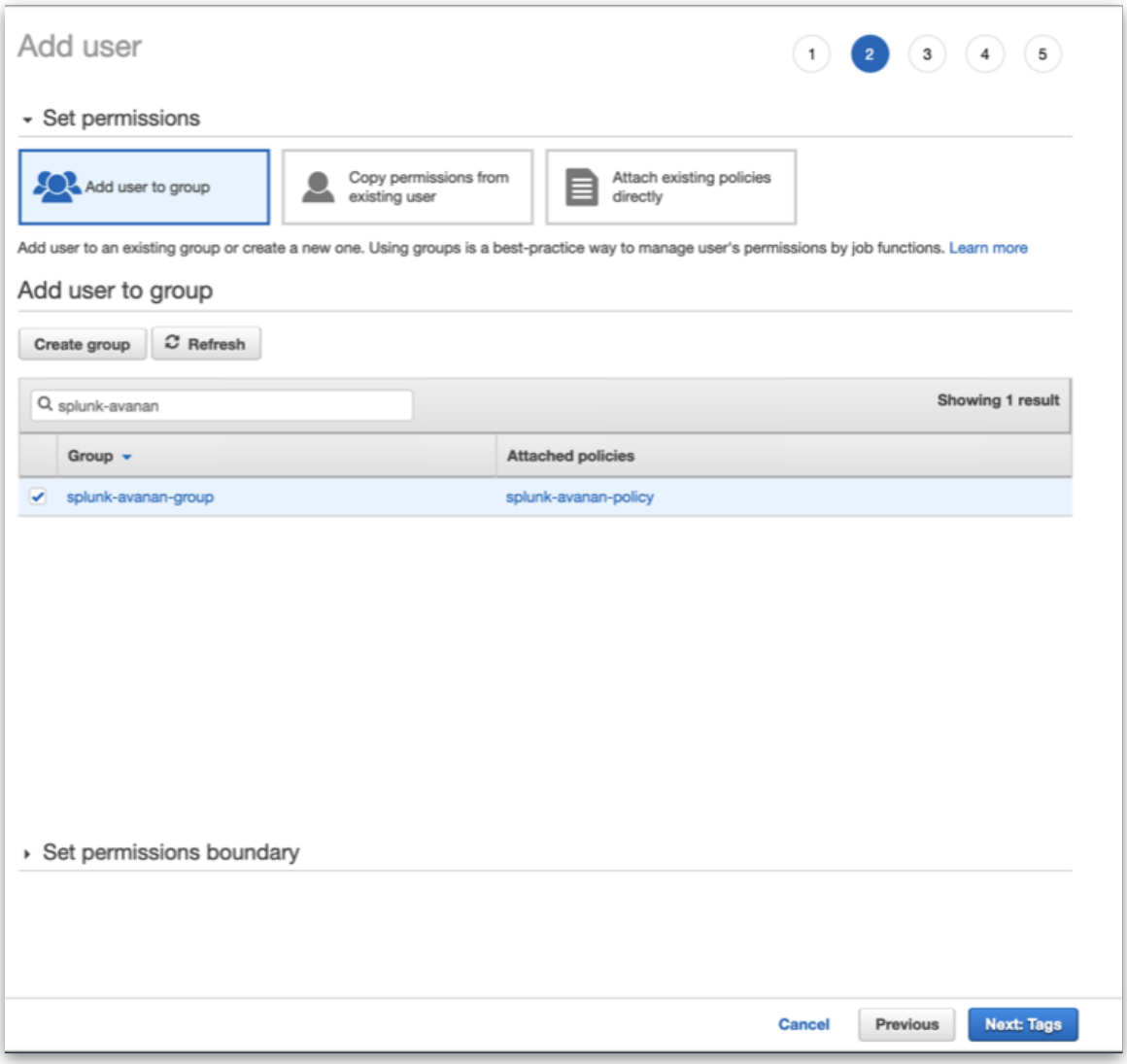
Step-8:

- After the policy is created, go back to the previous tab and click “Refresh”
- Select the policy you just created, give the group a name and click on “Create group”



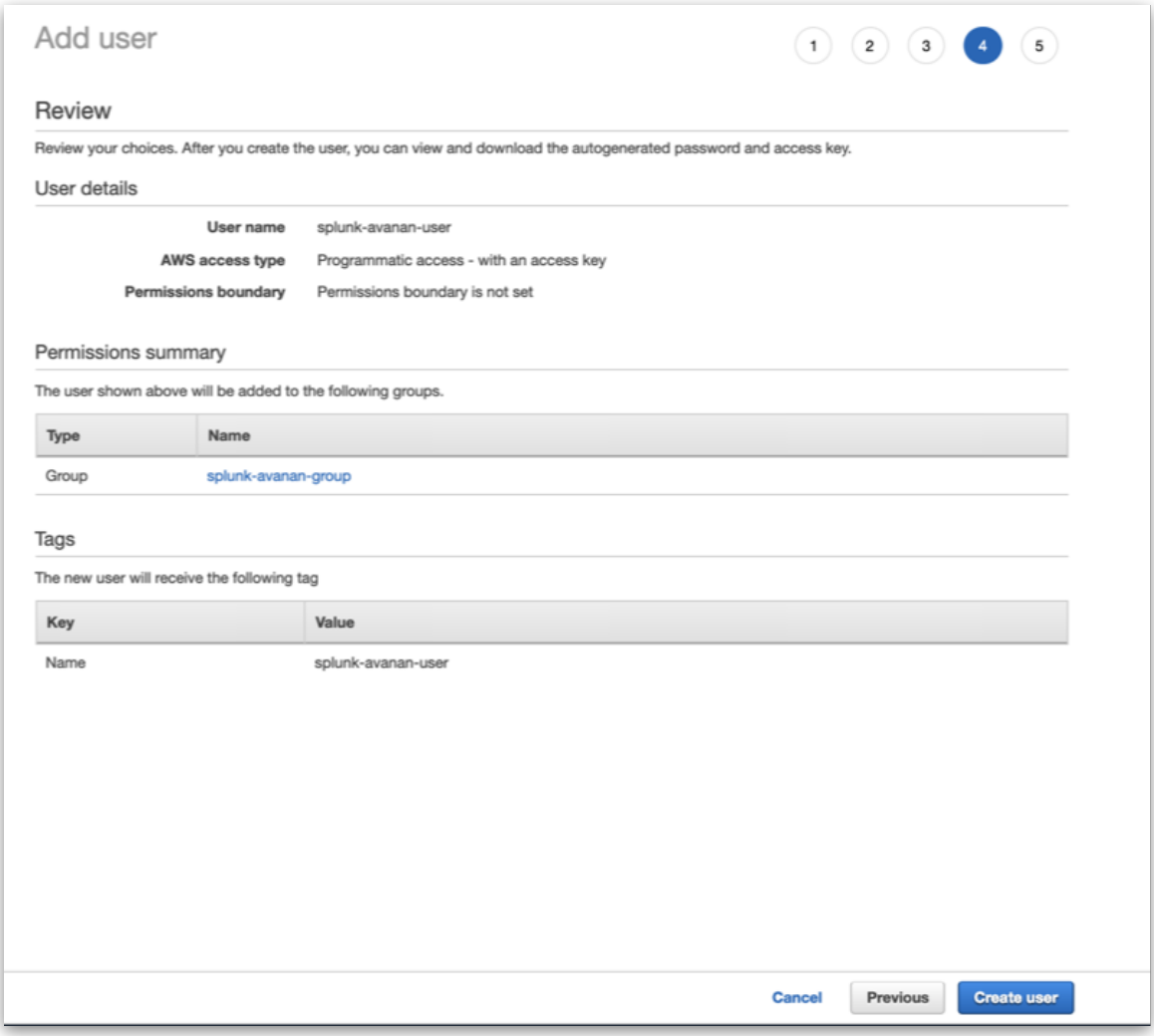
Step-9:

- Back to the “Add user” screen, confirm that the group you just created is selected and click on “Next: Tags”



Step-10:

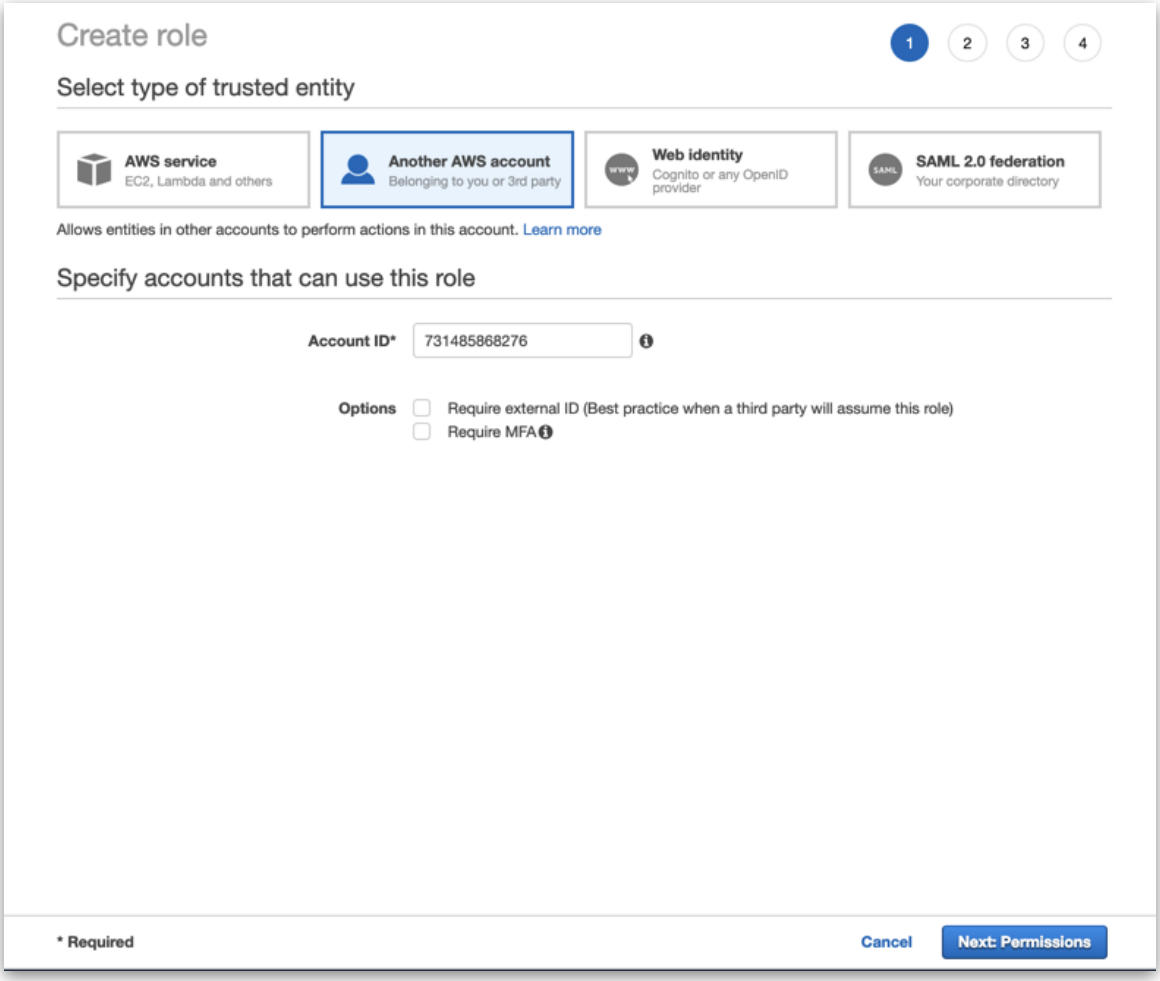
- Add the necessary Tags (in accordance with your environment directives) and click on “Next: Review”
- Confirm all the configurations and click on “Create user”



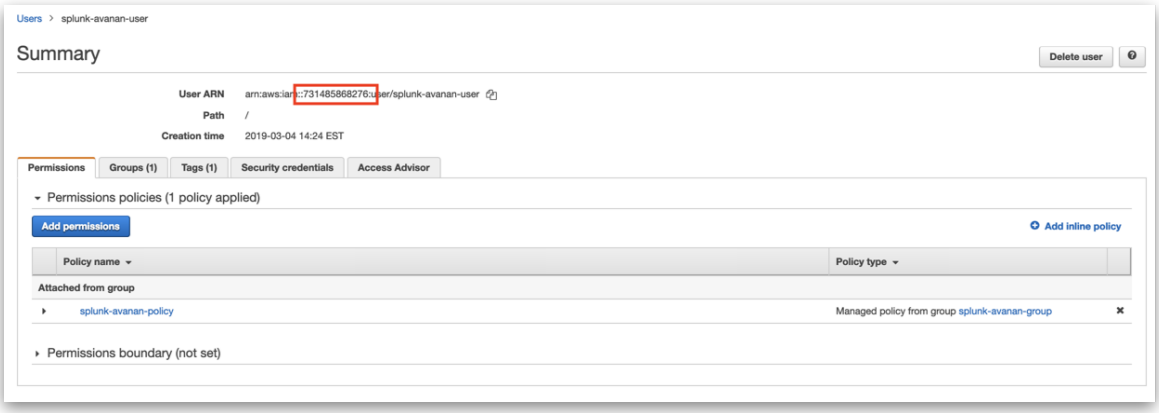
- ***Download the CSV or copy the Access Key and Secret access key somewhere safe. This information won’t be available again.**
- Close.

Step-11:

- Click on Roles and on “Create role”
- Select Another AWS Account
- Insert the 12 digit number of the user you just created click on “Next: Permissions”

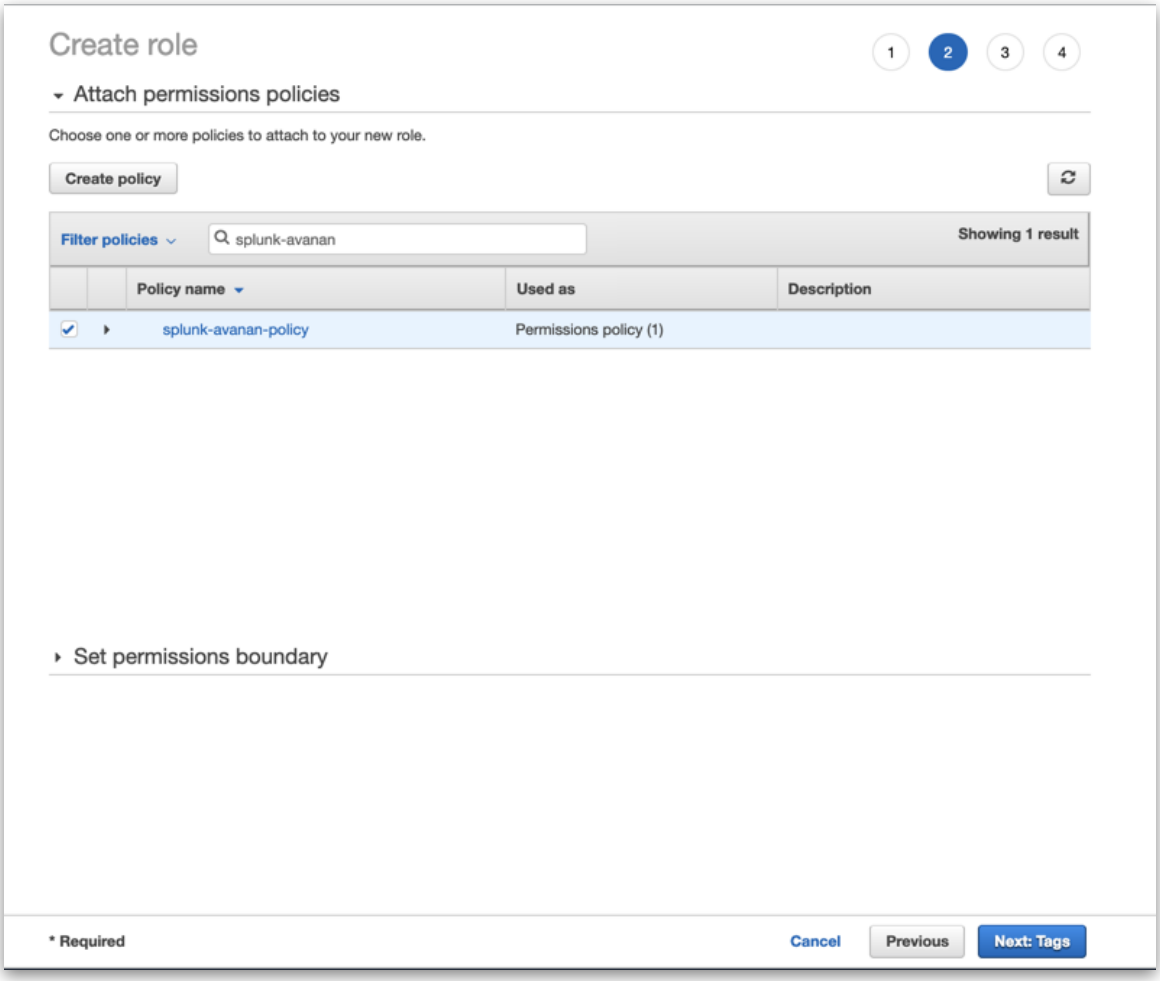


- Note: to find the 12 digit number, open the user on another screen:



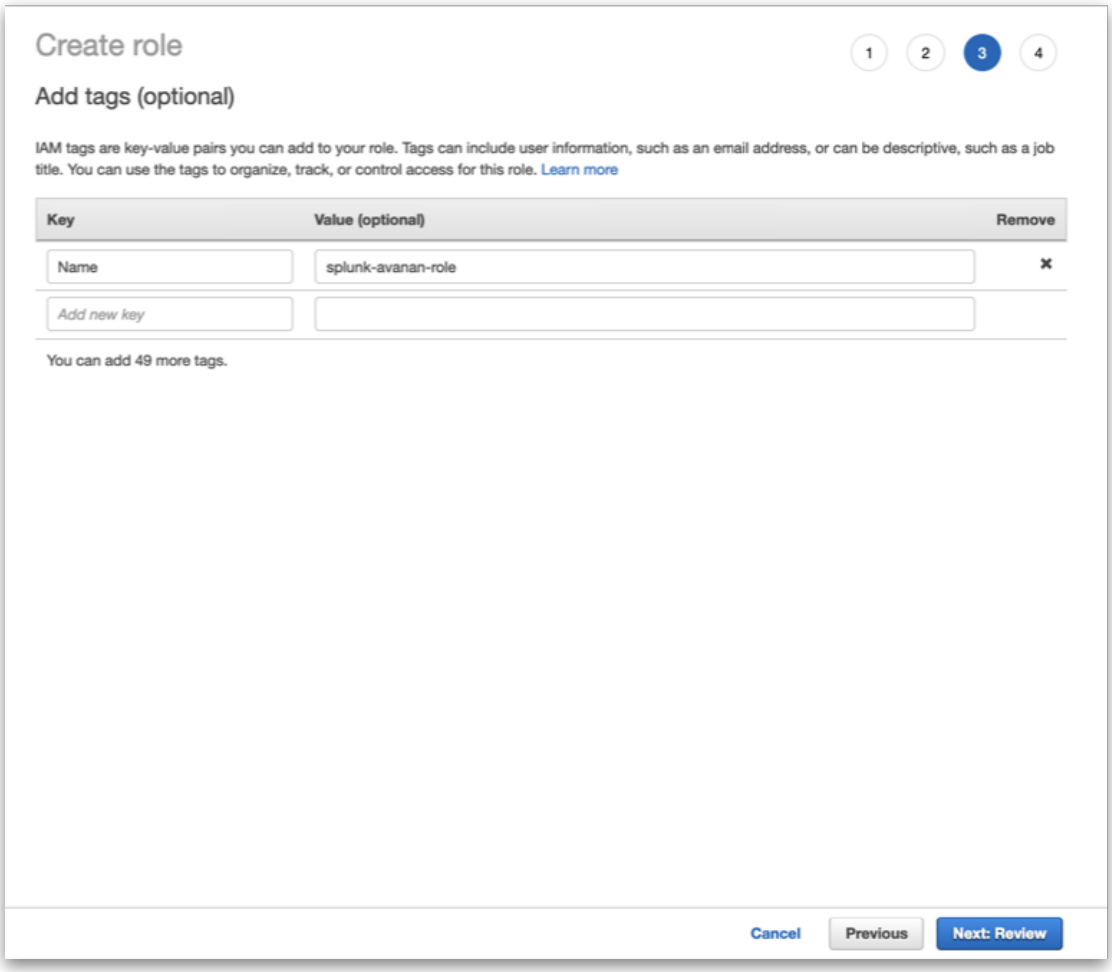
Step-12:

- Select the policy you created, click on Next: Tags



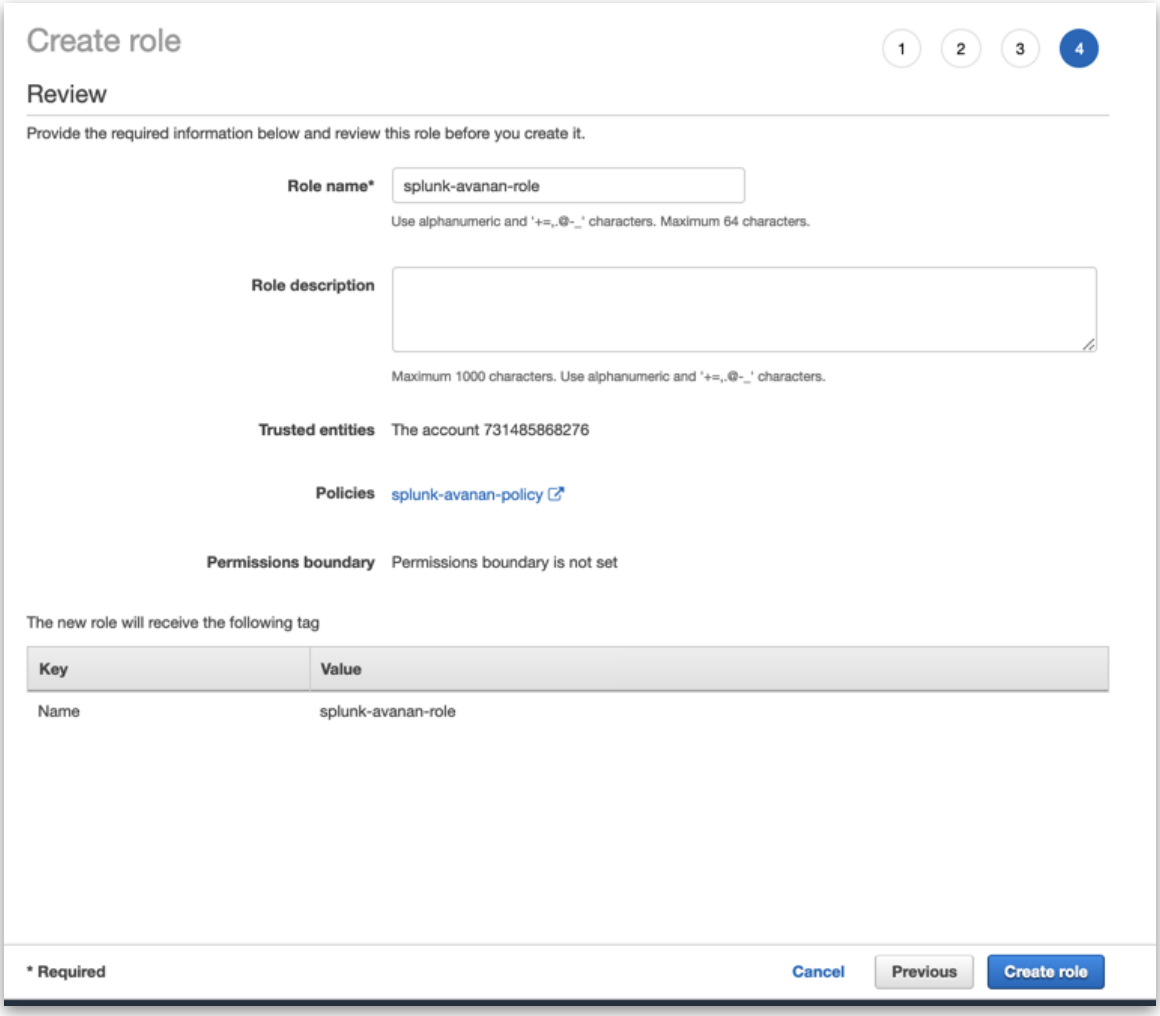
Step-13:

- Add the necessary Tags (in accordance with your environment directives) and click on Next: Review



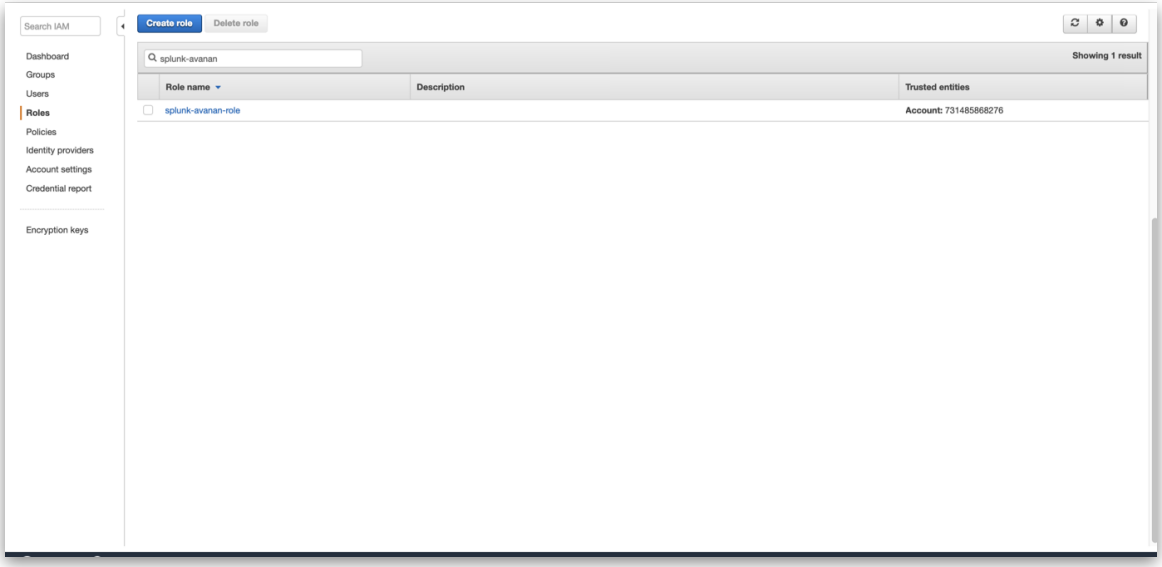
Step-14:

- Select a role name and click on Create Role



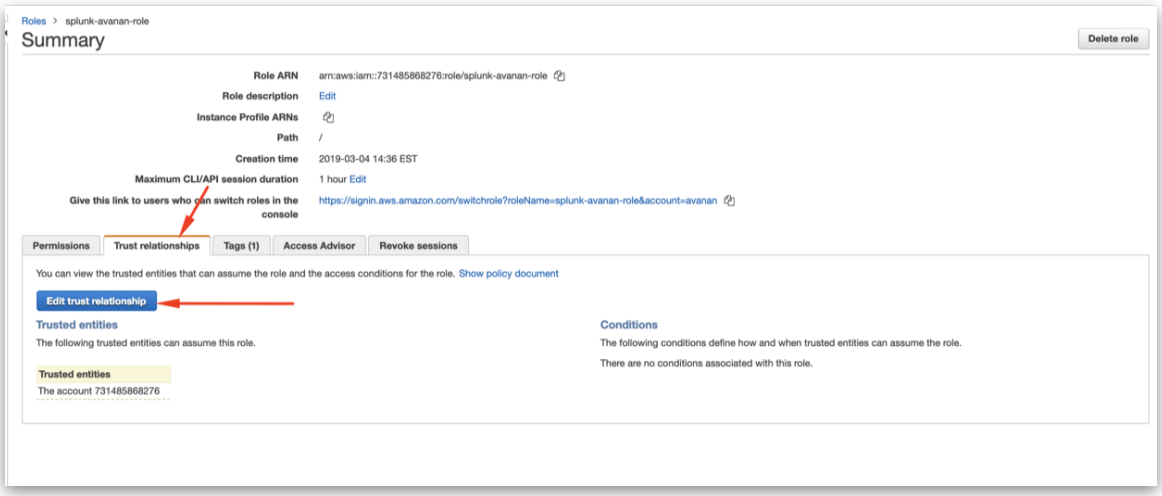
Step-15:

- Search for the role you just created, click on its name.



Step-16:

- Select “Trust relationships” and click on “Edit trust relationship”

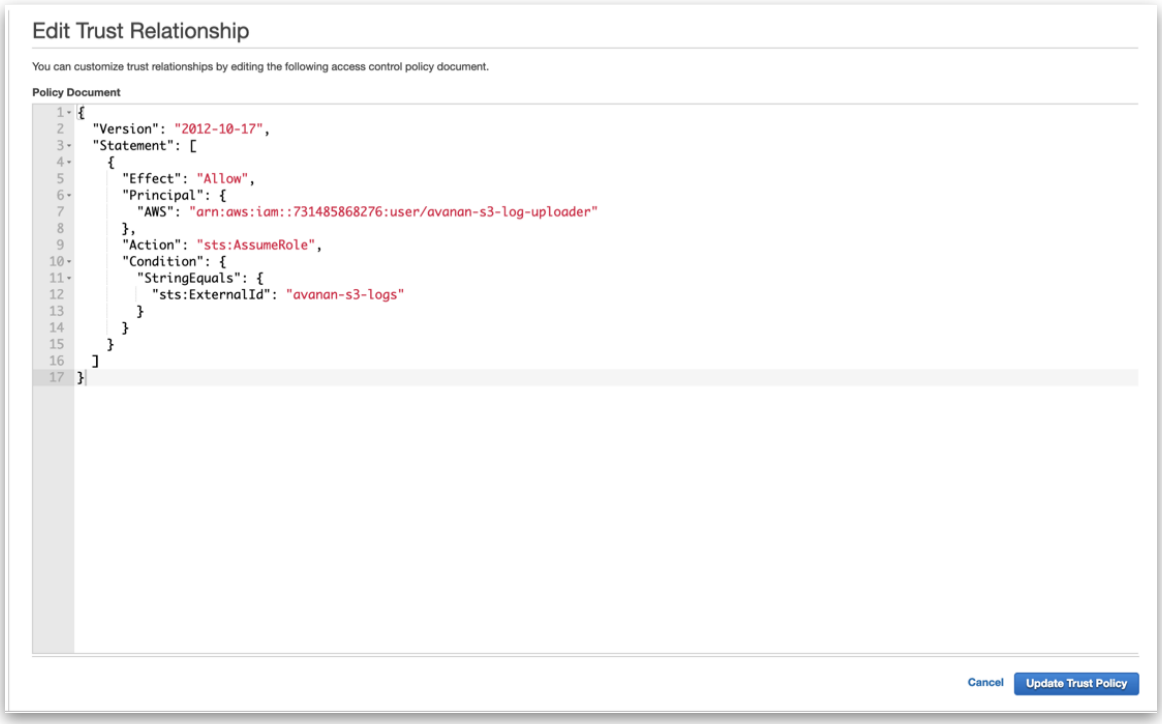


Step-17:

- Copy the following over and click on “Update Trust Policy”

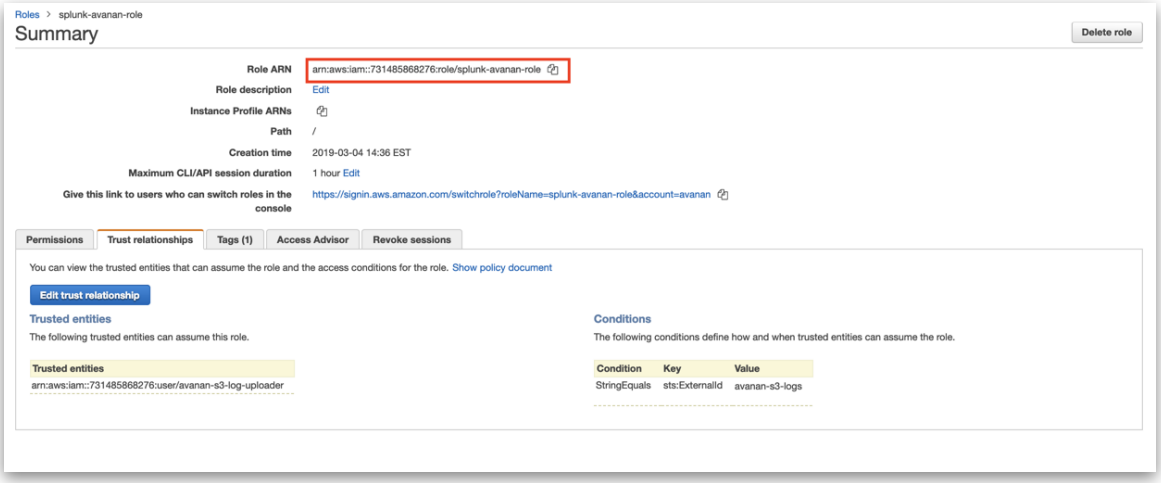
```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::731485868276:user/avanan-s3-log-uploader"
      },
      "Action": "sts:AssumeRole",
      "Condition": {
        "StringEquals": {
          "sts:ExternalId": "avanan-s3-logs"
        }
      }
    }
  ]
}
```

- For Example:



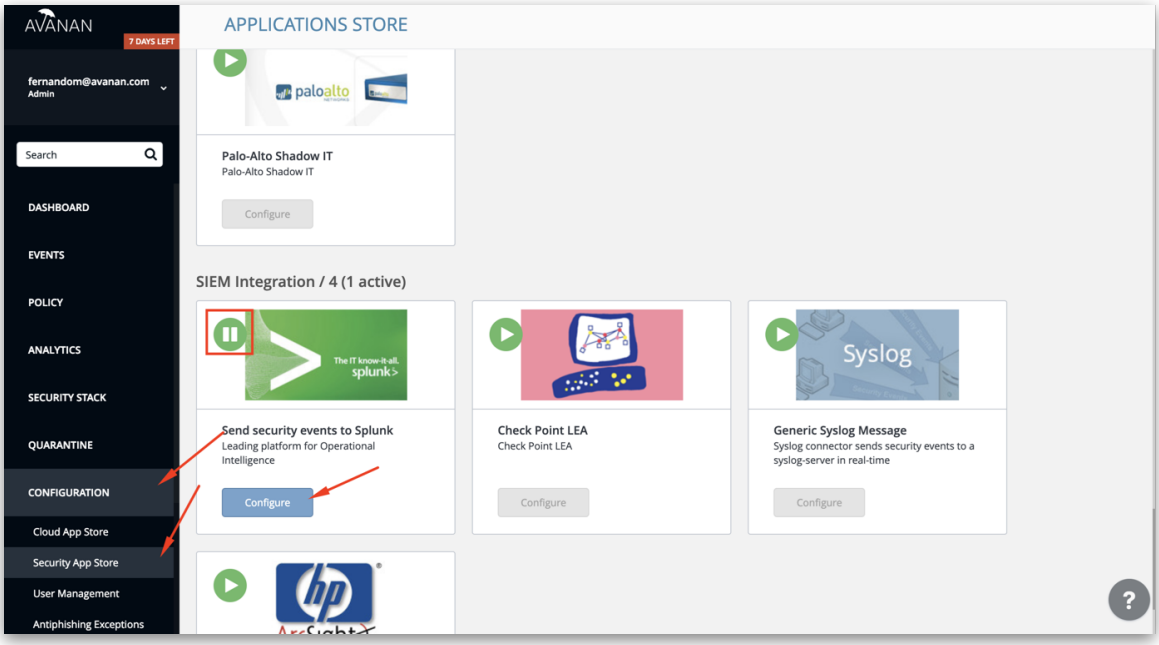
Step-18:

- Copy the Role ARN to use on the Avanan side



Step-19:

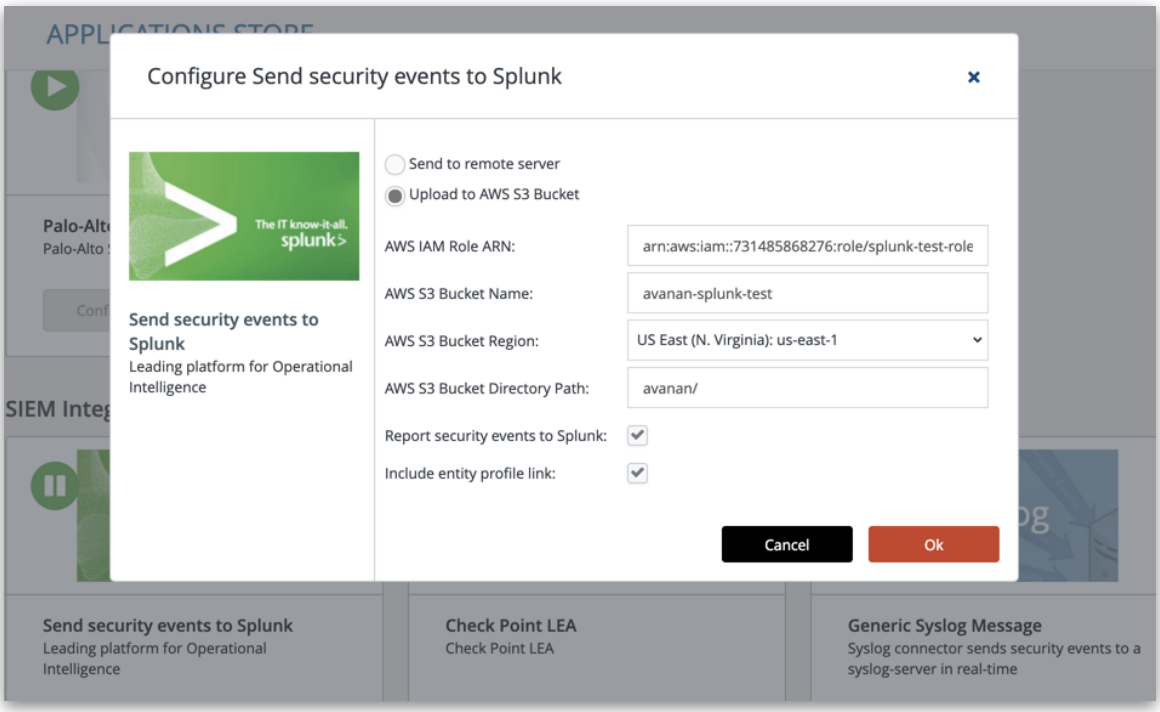
- Back on Avanan, go to Configuration > Security App Store.
- Find Splunk on the list and click on Configure (if the button is grey out, the module is not enabled, click on the round “PLAY” button to enable it and refresh the page)



Step-20:

- Copy your Role ARN, bucket name, and select a region. Insert the subfolder you want the logs to be uploaded to, if any (they will be uploaded to the root directory if left empty).

  > Select "Report security events to Splunk" if you want all new security events to be uploaded (recommended).
  > Select "Include entity profile link" if you want to add a link to the entity profile on Avanan to the JSON logs.



- Click on Ok to save. The Avanan-S3 side of the integration is done.