CloudHealth IAM Role Update

External – Bytes AWS Services – 11/08/2020

1 PREFACE

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1.1 AUTHORS

Name	Role
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1.2 REVISION DETAILS

Revision	Date	Author	Comments
1.0	06/04/2020	Alan White	Initial Release
1.1	11/08/2020	Alan White	Mionor update to wording and screenshot

1.3 DISCLAIMER

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2 TABLE OF CONTENTS

3 INTRODUCTION

3.1 OVERVIEW

Occasionally AWS and/or CloudHealth release new features that require adjustments to the permissions required by CloudHealth to access the target cost optimized AWS account. Updating these permissions allows new features and capabilities to be leveraged by the customer to give greater control and/or visibility of their cloud environments.

3.2 PURPOSE

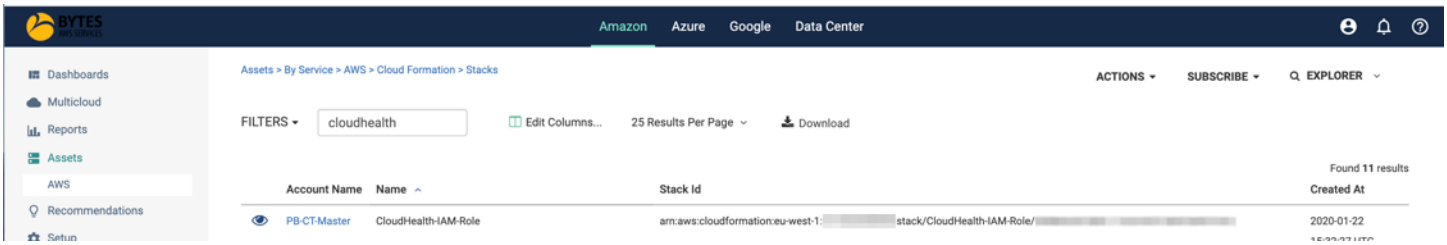
This guide will help you through the steps required to update the CloudHealth IAM role in each AWS account in order to take advantage of the new features and gain enhanced visibility of your AWS cloud environment.

3.3 PRE-REQUISITES

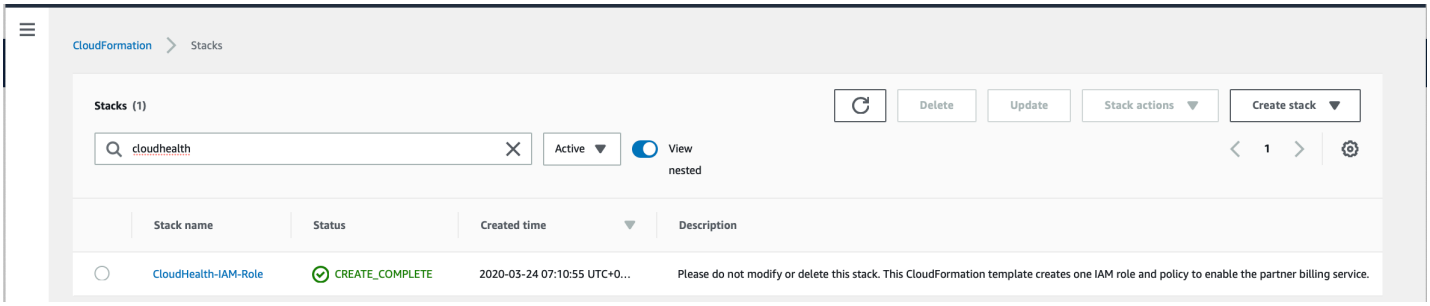
Before making the change, please answer the following questions:

1. Was the current CloudHealth IAM role created manually or by using CloudFormation?
How to check:

a) Log into your CloudHealth portal, go to 'Assets->AWS->CloudFormation->Stacks' and filter the list by 'cloudhealth' in order to see whether there are any CloudFormation stacks related to creating IAM roles for CloudHealth in any of your accounts.



b) Log into the target AWS account, go to the 'CloudFormation' service and filter the list by 'cloudhealth'.
Note: Cloudformation stacks are regional so you may need to check in more than one region.

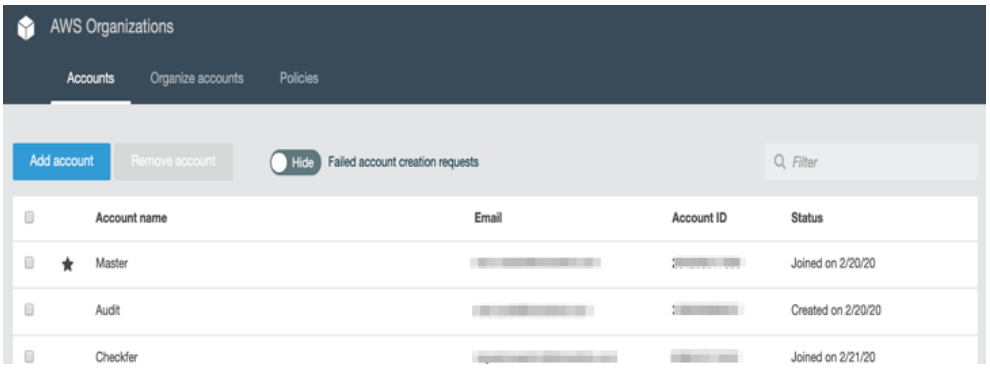


2. Is the target account a 'Standalone', 'Master/Consolidated Billing' or 'Linked' account?
How to check:

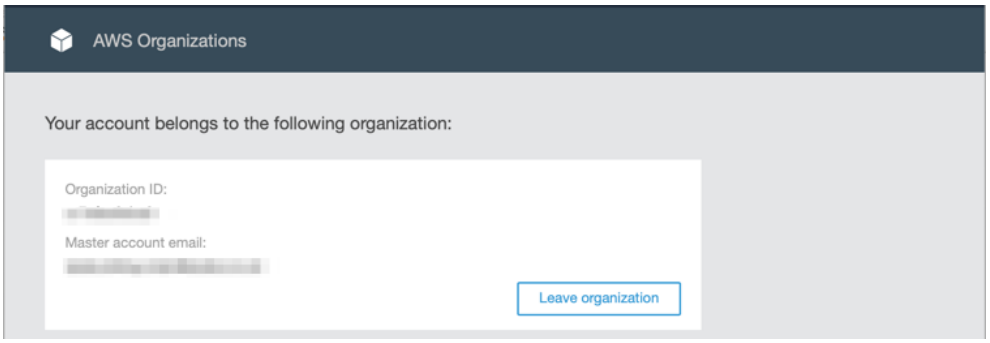
Log into the account, go to the 'AWS Organizations' service and check against the screenshots below.

Standalone accounts

Master/Consolidated accounts



Linked accounts



Depending on the answer to question 1, please proceed to either Section 4 (CloudFormation Update Instructions) or Section 5 (Manual Update Instructions) below.

4 CLOUDFORMATION UPDATE INSTRUCTIONS

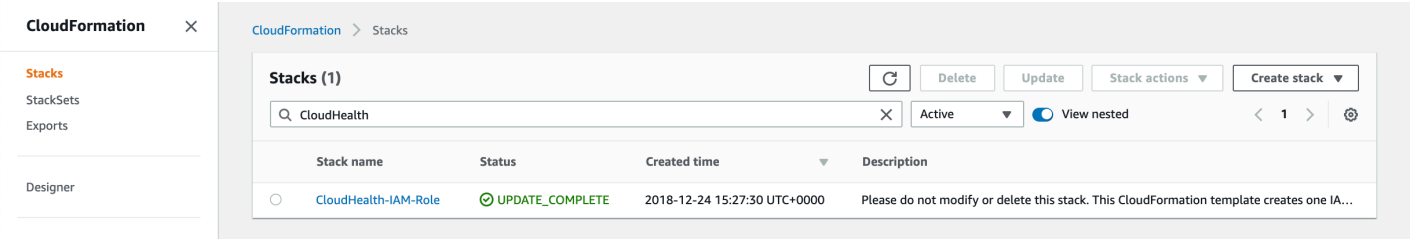
4.1 SUMMARY STEPS

- Select the existing CloudHealth CloudFormation stack
- Update it by pointing to the new provided CloudFormation template version
- Wait a few moments for the update to complete

4.2 INSTRUCTIONS

1. Log into the target AWS account

2. Go to the CloudFormation service, select the region where you ran the original template and locate the CloudHealth stack

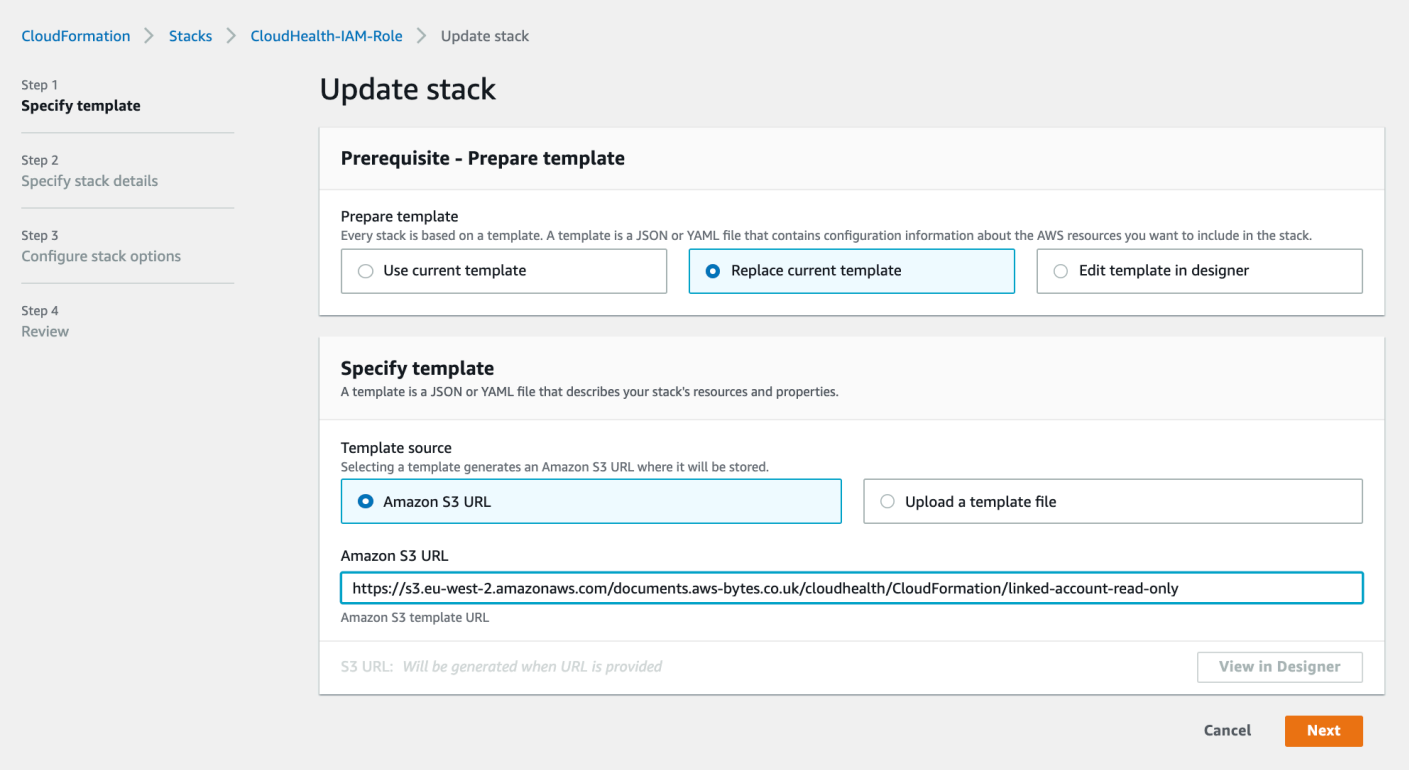


3. Select the existing CloudFormation Stack and click 'Update'

4. On the 'Update stack' page, select the 'Replace current template' and 'Amazon S3 URL' options and paste in **ONE** of the links below into the 'Amazon S3 URL' field' and click 'Next'.

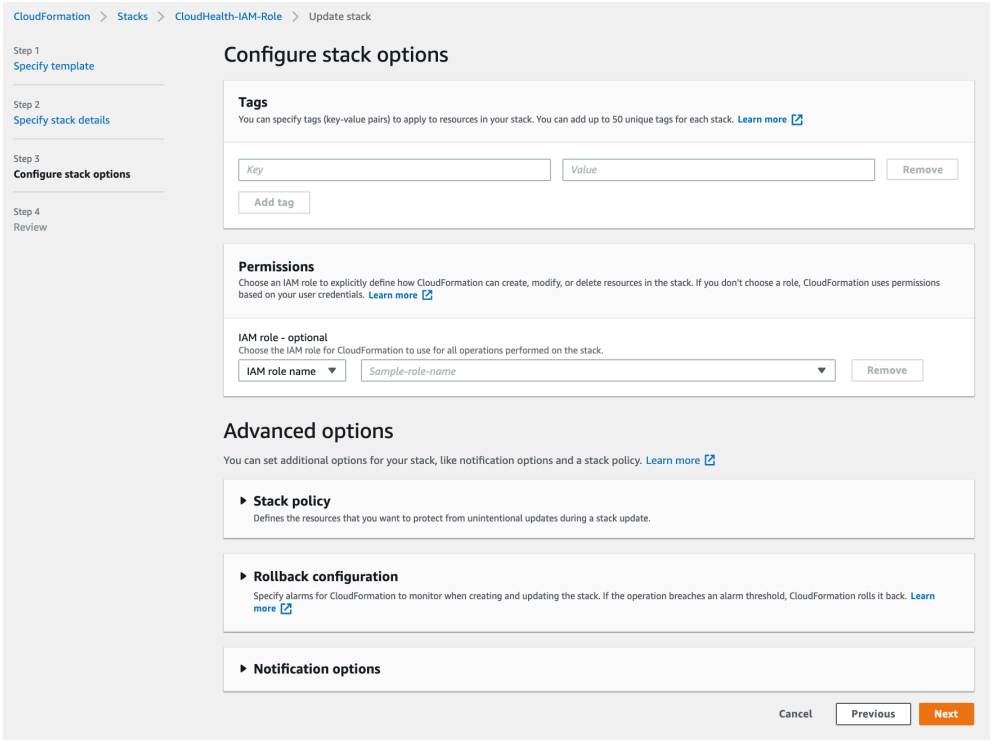
For Consolidated or Standalone accounts:
https://s3.eu-west-2.amazonaws.com/documents.aws-bytes.co.uk/cloudhealth/CloudFormation/consolidated-account-read-only

For Linked accounts:
https://s3.eu-west-2.amazonaws.com/documents.aws-bytes.co.uk/cloudhealth/CloudFormation/linked-account-read-only

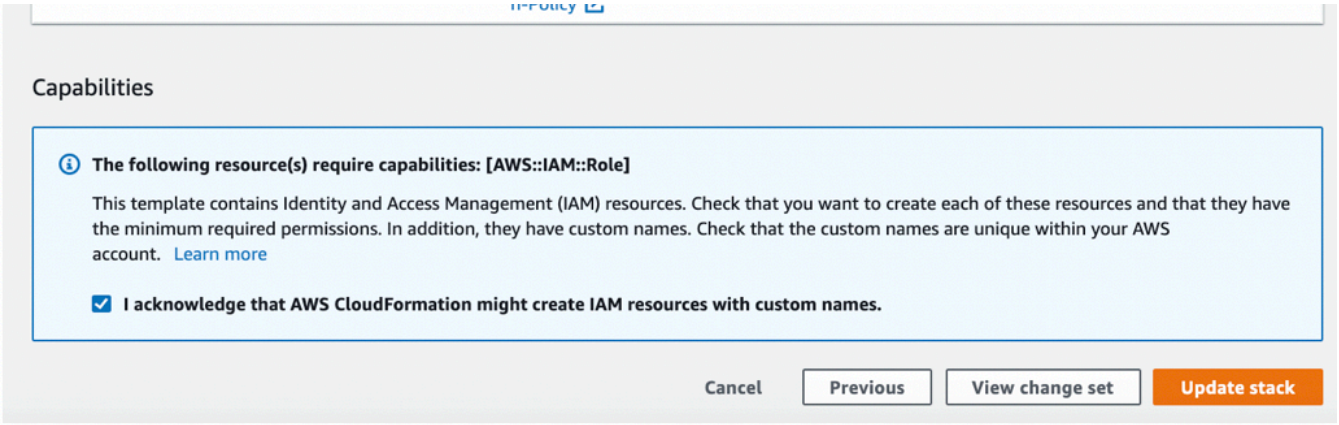


5. On the 'Specify stack details' page, click 'Next' (Note: Leave all field values if any, the same)

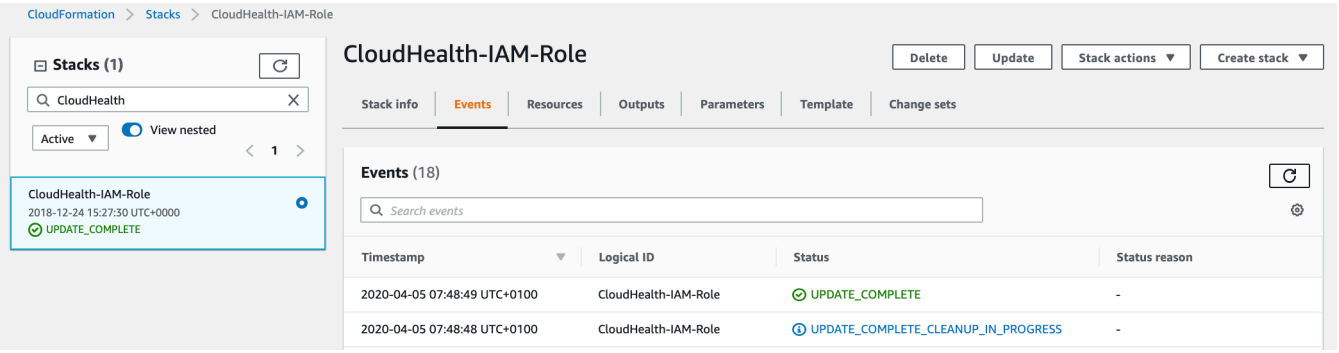
6. On the 'Configure stack options' page, click 'Next'



7. On the 'Review' page, select the 'I acknowledge…..' checkbox and click 'Update stack'



8. Wait for CloudFormation stack status to show 'UPDATE_COMPLETE'



5 MANUAL UPDATE INSTRUCTIONS

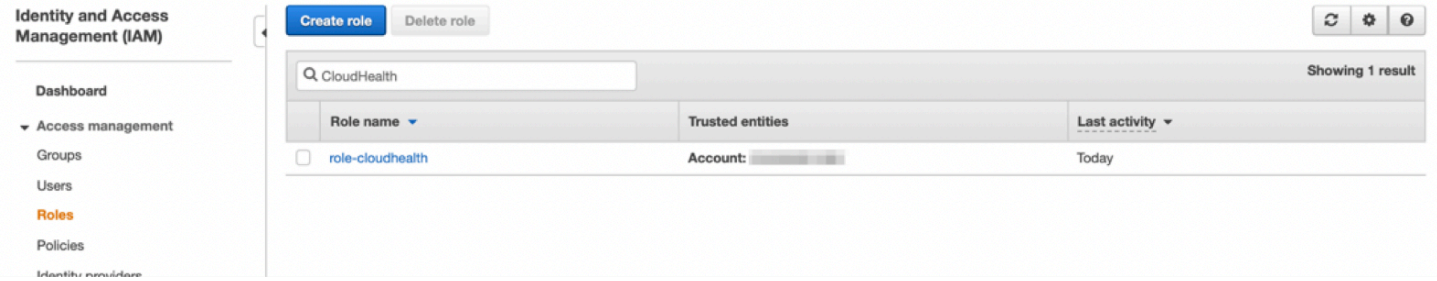
5.1 SUMMARY STEPS

- Select the existing CloudHealth IAM role
- Update the policy attached to it by copy/pasting the provided code
- Save the changes

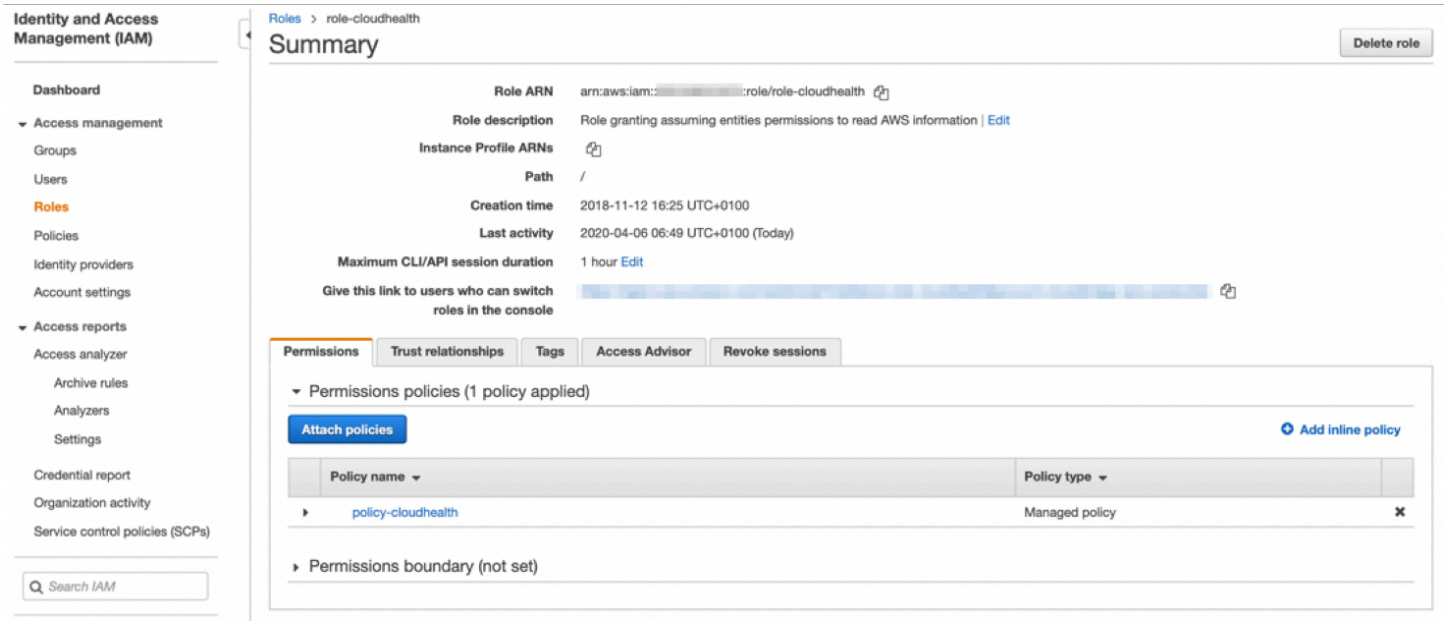
5.2 INSTRUCTIONS

1. Log into the target AWS account

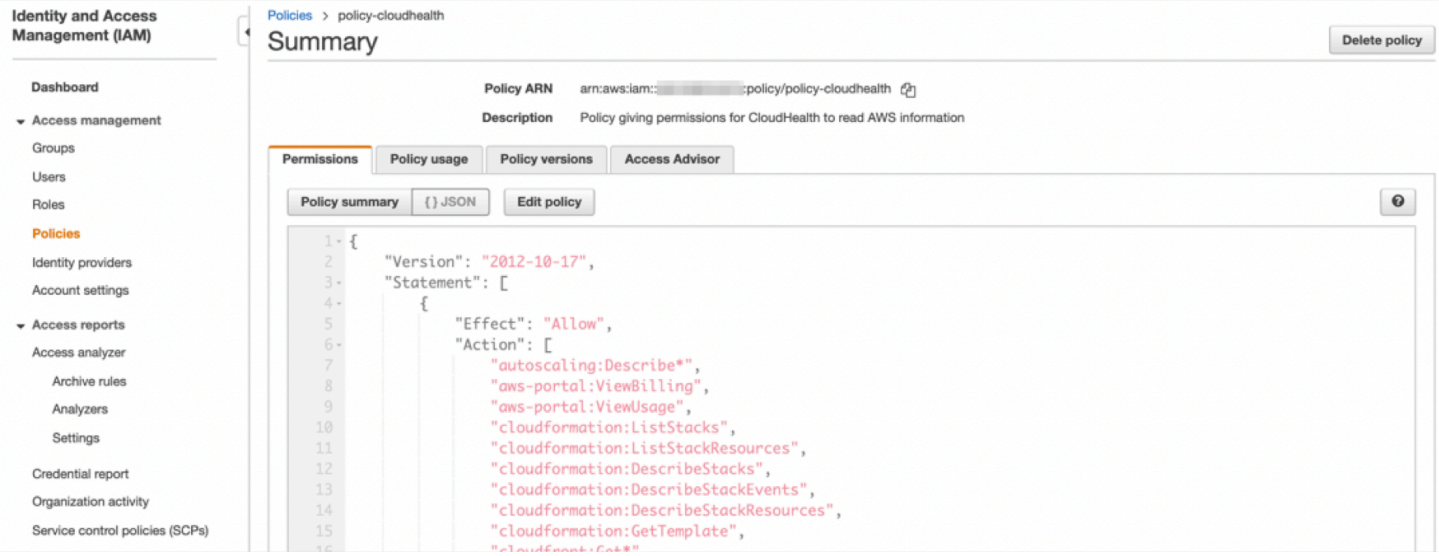
2. Go to the IAM service and locate the CloudHealth IAM role (Hint: It will be called something like 'role-cloudhealth', 'CH-Role', 'CHT-Role', 'CloudHealth-Role')



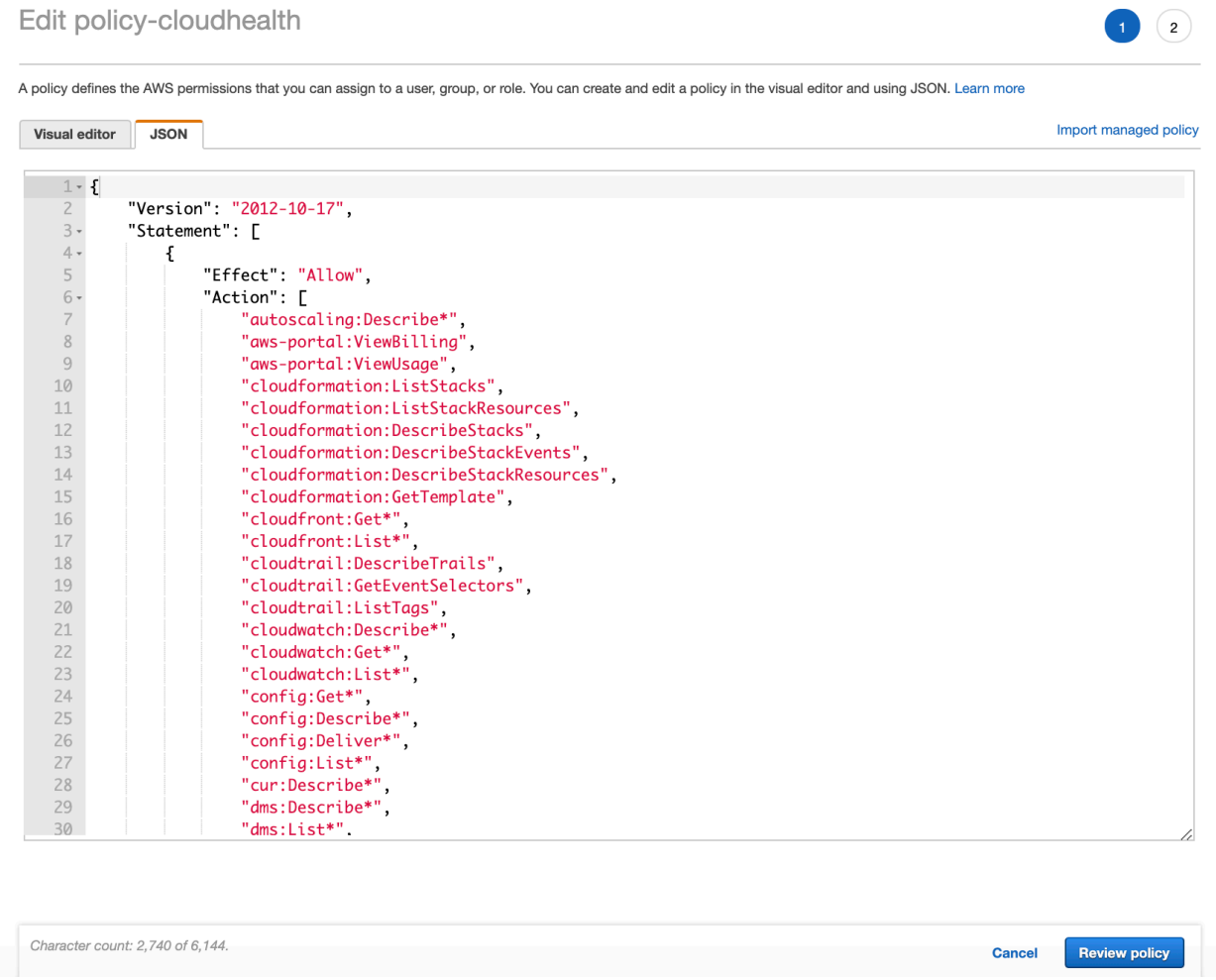
3. Click on the role and go to the 'Permissions' tab



4. Click on the policy to view the details



5. Click on 'Edit policy' and select the 'JSON' tab



6. Copy and paste the new policy code from the links below:

For Linked accounts
https://s3.eu-west-2.amazonaws.com/documents.aws-bytes.co.uk/cloudhealth/IAM-Policies/CHT-IAM-Policy.json

For Consolidated or Standalone accounts
IMPORTANT: ONLY COPY/PASTE THE LINES BETWEEN THE 1ST 'ACTION' AND 'RESOURCE' PARAMETERS
https://s3.eu-west-2.amazonaws.com/documents.aws-bytes.co.uk/cloudhealth/IAM-Policies/CHT-IAM-Policy-Consolidated.json

```
{
    "Version": "2012-10-17",
    "Statement": [
      {
        "Effect": "Allow",
        "Action": [
          "autoscaling:Describe*",
          "aws-portal:ViewBilling",
          "aws-portal:ViewUsage",
          "cloudformation:ListStacks",
          "cloudformation:ListStackResources",
          "cloudformation:DescribeStacks",
          "cloudformation:DescribeStackEvents",
          "cloudformation:DescribeStackResources",
          "cloudformation:GetTemplate",
          "cloudfront:Get*",
          "cloudfront:List*",
          "cloudtrail:DescribeTrails",
          "cloudtrail:GetEventSelectors",
          "cloudtrail:ListTags",
          "cloudwatch:Describe*",
```

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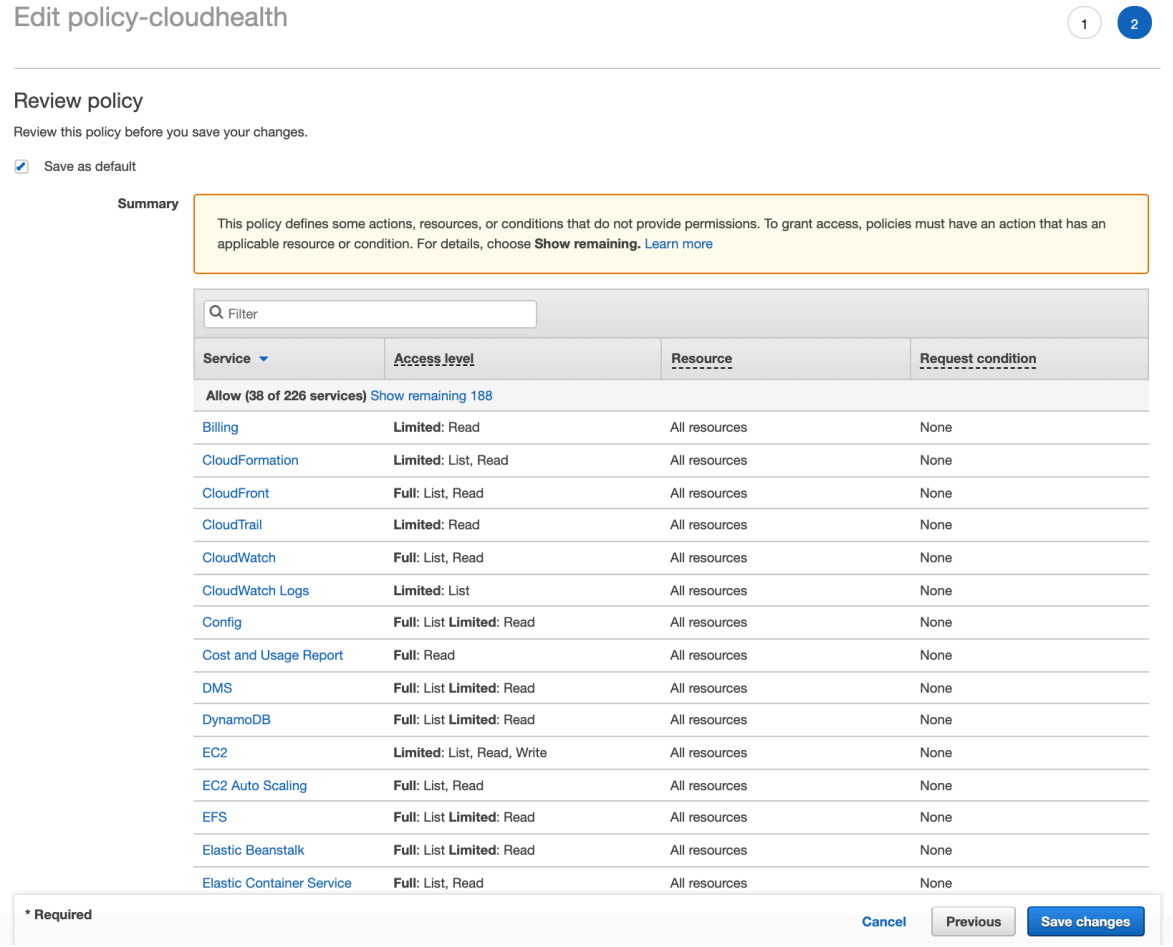
```
          "sdb:List*",
          "ses:Get*",
          "ses:List*",
          "sns:Get*",
          "sns:List*",
          "sqs:GetQueueAttributes",
          "sqs:ListQueues",
          "storagegateway:List*",
          "storagegateway:Describe*",
          "workspaces:Describe*"
        ],
        "Resource": "*"
      },
      {
        "Effect": "Allow",
        "Action": [
          "s3:Get*",
          "s3:List*"
        ],
        "Resource": [
          "arn:aws:s3:::MyDBBBucket"
```

7. Click ‘Review policy’



8. Click ‘Save changes’

9. If you receive a message saying that you’ve reached the maximum number of saved versions, select ‘Remove oldest non-default version’ and click ‘Delete version and save’.