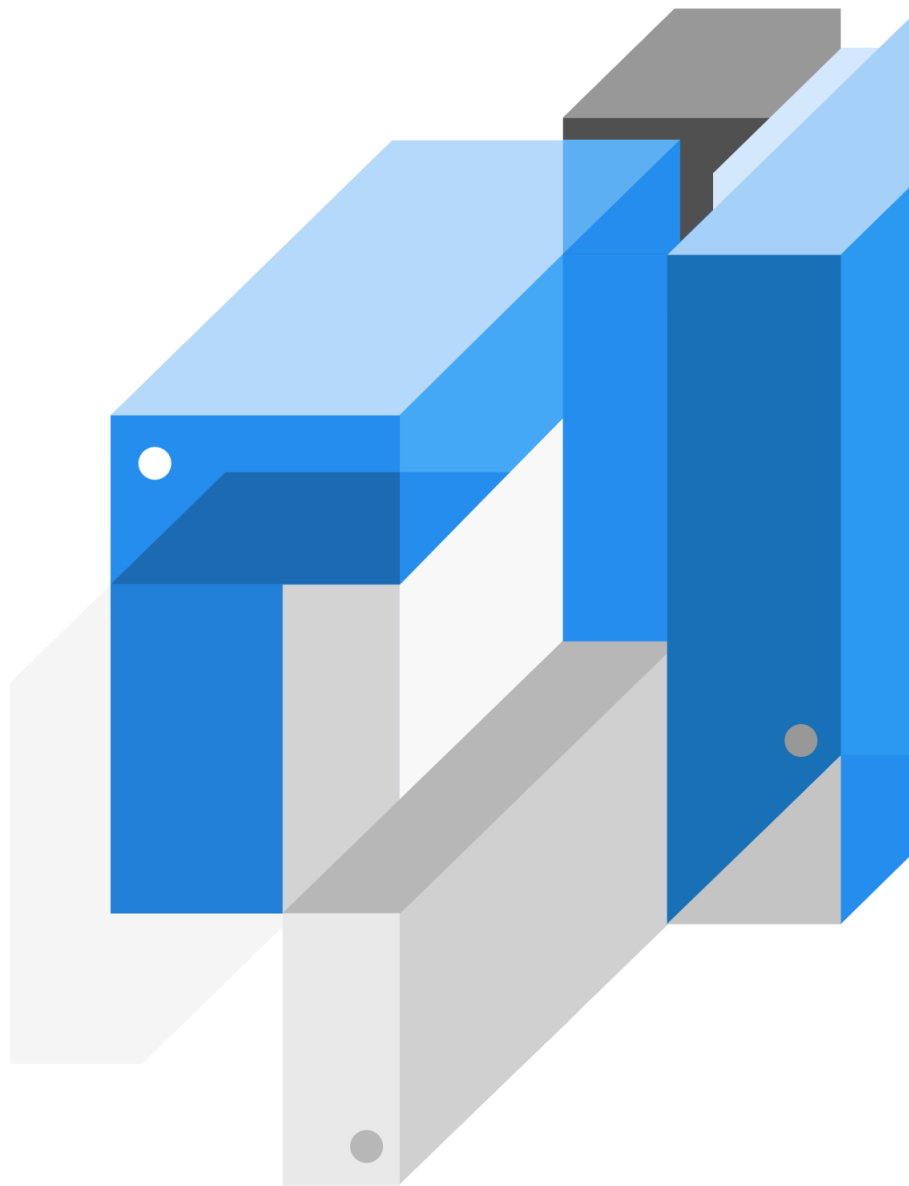


MaxGauge on AWS

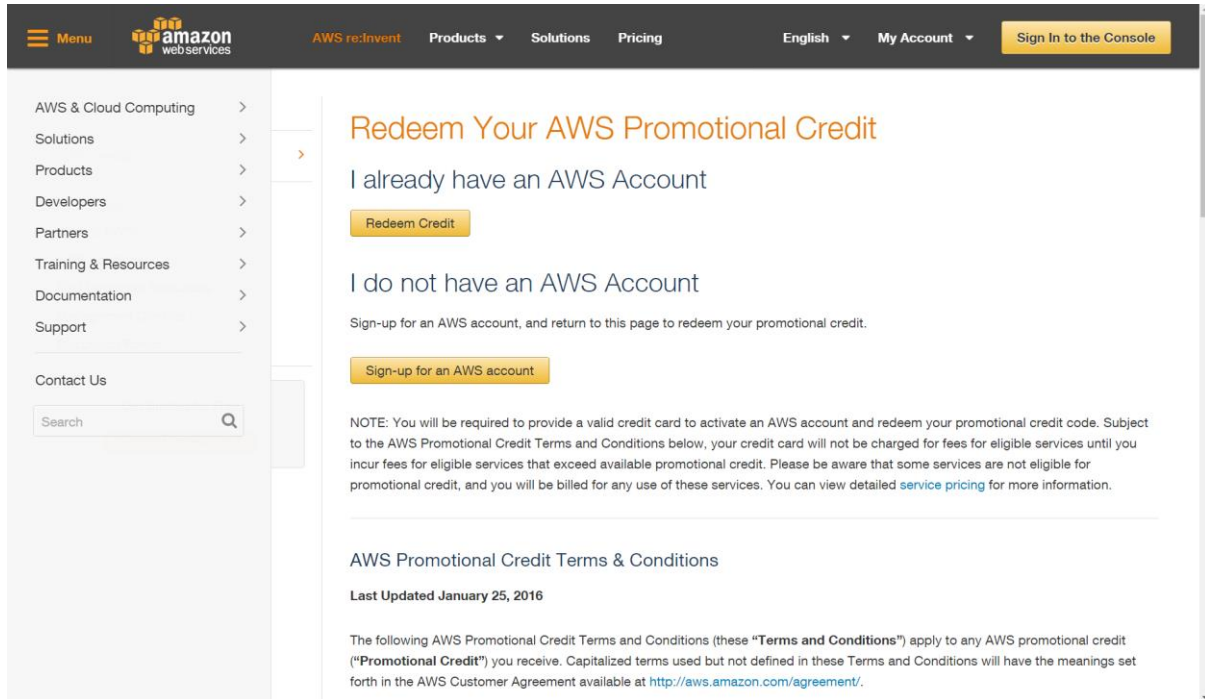
MySQL | MariaDB

Installation Guide



1. Redeem AWS Promotional Credit(if you have one)

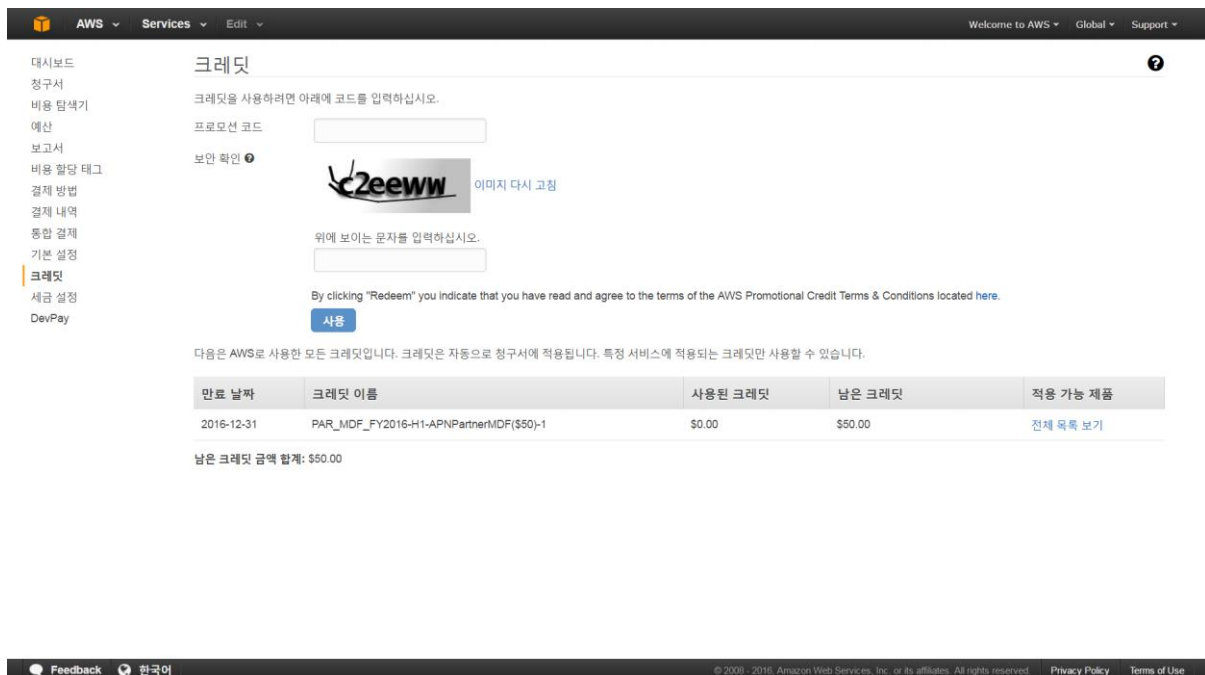
(1) go to redeem page : <https://aws.amazon.com/awscredits/>



(2) 'Redeem Credit' Button Click

- input Promotion Code to text field in below screen

- 'Use' Button Click. It shows credit information added.



License Model		MySQL DB (MariaDB) Server
Standard Edition	Entry	01~05
	Small	06~20
	Medium	21~50
Advanced Edition	Large	51~100
	Unlimited License	Unlimited MySQL Servers

(4) Delivery Methods를 선택한다

- Single AMI와 CloudFormation을 사용하는 MaxGauge for MySQL&RDS Standard Edition(Entry) 2개 중 MaxGauge for MySQL&RDS Standard Edition(Entry)를 선택한다.

- Continue 버튼을 클릭한다

The screenshot shows the AWS Marketplace product page for 'MFM - MaxGauge for MySQL and RDS Standard Edition (Entry)'. The page includes a search bar at the top, a navigation menu, and a main content area with the following sections:

- Customer Rating:** Be the first to review this product.
- Latest Version:** 1.0
- Operating System:** Linux/Unix, Amazon Linux 2016.03.0
- Delivery Methods:** Single AMI (64-bit Amazon Machine Image (AMI) (learn more)) and MaxGauge for MySQL & RDS Standard Edition (Entry) (CloudFormation template (view)).
- Support:** See details below.
- AWS Services Required:** Amazon CloudFormation, Amazon EC2, Amazon EBS.
- Highlights:** Agentless monitoring, Self repository configuration, and Support HTML5.
- Product Description:** MaxGauge is a performance management tool designed to support an effective performance management and fault management of each component which make up the computer system including the database, system, applications, and etc.
- Pricing Details:** For region (Asia Pacific (Tokyo)), Delivery Methods (MaxGauge for MySQL & RDS Standard Edition (Entry)), Fees (Hourly/Annual), Estimated Price (\$0.235/hr using 1 x m4.large machine), and Estimated infrastructure (\$323/month).

(5) Accept Software Terms버튼을 클릭한다.

Launch on EC2:

MFM - MaxGauge for MySQL and RDS Standard Edition (Small)

Custom Launch
CloudFormation, EC2 Console, APIs or CLI

Click "Accept Software Terms" to gain access to this software
Once you accept these terms, you will have access to this software in any supported region. You can then launch the CloudFormation or AMIs listed below directly from the CloudFormation or EC2 console, EC2 APIs, or with other AWS management tools.

Select a Version

1.0, released 06/14/2016

[Usage Instructions](#)

Select a Region

Asia Pacific (Tokyo)

Deployment Options

- Single AMI**
64-bit Amazon Machine Image (AMI) (learn more)
Single box deployment of the product
- MaxGauge for MySQL & RDS Standard Edition (Small)**
CloudFormation template (view)
This product use an EC2 instance for MFM server and repository.

Software Pricing

Subscription Term	Applicable Instance Type	Software fee
<input checked="" type="radio"/> Hourly		
<input type="radio"/> Annual		

Price for your selections:
Price will be dependent on usage

Accept Software Terms

You will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's End User License Agreement (EULA) and your use of AWS services is subject to the AWS Customer Agreement.

Pricing Details

For Region
Asia Pacific (Tokyo)

Delivery Methods
MaxGauge for MySQL & RDS Standard Edition (Small)


Estimated Price

Estimated Software : \$0.764/hr using 1 x m4.xlarge machine

Estimated infrastructure : \$323/month

- Estimated infrastructure costs are a typical default deployment with 24x7 usage with the following assumptions
- **EC2** : 1 x m4.large machine or equivalent
- **EBS** : 1 x 600 GB General Purpose SSD
- Total hourly fees will vary by instance type and EC2 region.
- For additional savings, you can select annual pricing to get 17% off listed price.

(6) 아래 화면이 나오면 Return to Product Page 버튼을 클릭한다.


Amazon Web Services Home

Shop All Categories ▾

GO
Your Software

✔ Software and AWS hourly usage fees apply when the instance is running. These fees will appear on your monthly bill.

Thank you! Your subscription will be completed in a few moments.

Next Steps

- You will receive an email at mhoh@ex-em.com once your subscription completes.
- The email will have a link to where you can launch the product from the CloudFormation console or EC2 console.
- If you want to only launch the AMI, you can also find and launch these AMIs by searching for the AMI IDs in the "Community AMIs" tab of the EC2 Console. Launch Wizard, or launch with the EC2 APIs. The AMI IDs are available in the custom launch tab of the product's subscription page.
- You can view this information at a later time by visiting the Your Software page. For help, see step-by-step instructions for launching Marketplace Products from the AWS Console.

Release Notes

First Release

[Return to Product Page](#)

Related Links

- ▶ [AWS Management Console](#)
- ▶ [Your Software](#)
- ▶ [Continue shopping on AWS Marketplace](#)

Service Catalog

Click here for instructions to deploy Marketplace products in AWS Service Catalog.

[Contact Us](#) | [Privacy Policy](#) | [AWS Terms](#) | [Legal](#) | [Sell on AWS Marketplace](#) | [Careers](#) | [Help](#)
[Follow @awsmarketplace](#)
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 An company

(7) 하단의 Launch with CloudFormation Console 버튼을 클릭한다.

awsmarketplace
Amazon Web Services Home

[Sign in or Create a new account](#)
[Your Account](#)
[Help](#)
[Sell on AWS Marketplace](#)

Shop All Categories ▾

GO
▶ Your Software

Launch on EC2:

MFM - MaxGauge for MySQL and RDS Standard Edition (Entry)

Custom Launch
CloudFormation, EC2 Console, APIs or CLI

Launching Options

- You can click "Launch with CloudFormation Console" button below and follow the steps in the CloudFormation console to launch a stack of this software.
- If you prefer to launch just an AMI, you can select Single AMI and click the "Launch with EC2 Console" and follow the instructions to launch an instance of this software.
- If you want to only launch the AMI, you can also find and launch these AMIs by searching for the AMI IDs (shown below) in the "Community AMIs" tab of the EC2 Console [Launch Wizard](#), or launch with the [EC2 APIs](#).
- You can view this information at a later time by visiting the Your Software page. For help, see [step-by-step instructions](#) for launching Marketplace Products from the AWS Console.

Select a Version

Usage Instructions

Select a Region

Deployment Options

Single AMI
64-bit Amazon Machine Image (AMI) [\(learn more\)](#)
 Single box deployment of the product

MaxGauge for MySQL & RDS Standard Edition (Entry)
CloudFormation template [\(view\)](#)
 This product use an EC2 instance for MFM server and repository.

Software Pricing

Subscription Term

Hourly
 Annual

Applicable Instance Type

Software fee

Varies
 Depends on instance type, reference pricing chart.

Launch

Launch with CloudFormation Console

Pricing Details

For Region
Asia Pacific (Tokyo)

Delivery Methods
MaxGauge for MySQL & RDS Standard Edition (Entry)

Estimated Price

Estimated Software : \$0.239/hr using 1 x m4.large machine

Estimated Infrastructure : \$323/month

- Estimated infrastructure costs are a typical default deployment with 24x7 usage with the following assumptions
- EC2** : 1 x m4.large machine or equivalent
- EBS** : 1 x 600 GB General Purpose SSD
- Total hourly fees will vary by instance type and EC2 region
- For additional savings, you can select annual pricing to get 17% off listed price.

Security Group

The vendor recommends using the following security group policies. You will be able to select these settings or configure your own when launching this software.

Connection Method	Protocol	Port Range	Source (IP or Group)
SSH	tcp	22 - 22	0.0.0.0/0
	tcp	8170 - 8170	0.0.0.0/0

Release Notes

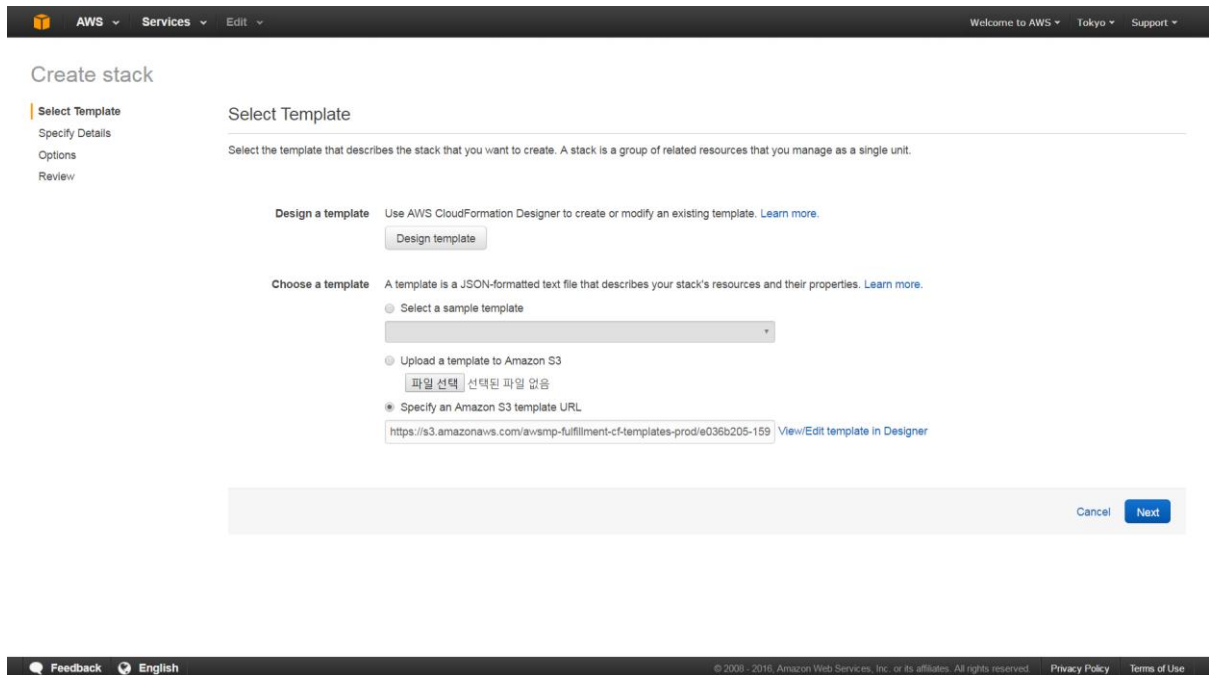
First Release

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(8) 기본 선택을 유지하고 Next를 클릭



(9) 상세 설정화면에서 다음의 설정을 입력한다.

- KeyName : 기존에 만들어 둔 ec2 ssh 액세스 용 keypair를 선택
- SSHLocation : ec2서버 SSH로그인을 모든 곳에서 가능하게 하려면, 0.0.0.0/0 을 입력
- SubnetId : 기본생성된 것 선택
- VpcId : 기본생성된 것 선택
- WebCIDRBlock : 0.0.0.0/0 (MFM접속을 모든 곳에서 하려면 그대로 유지)

Create stack

- Select Template
- Specify Details**
- Options
- Review

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

Parameters

InstanceType Maxgauge EC2 instance type

KeyName Name of an existing EC2 KeyPair to enable SSH access to the instances

SSHLocation The IP address range that can be used to SSH to the EC2 instances

SubnetId SubnetId of an existing subnet (for the primary network) in your Virtual Private Cloud (VPC)

VpcId VpcId of your existing Virtual Private Cloud (VPC)

WebCIDRBlock The IP address range that can be used to connect Maxgauge Web

(10) 옵션 선택화면은 기본설정으로 두고 Next

Create stack

- Select Template
- Specify Details**
- Options
- Review

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

Parameters

InstanceType Maxgauge EC2 instance type

KeyName Name of an existing EC2 KeyPair to enable SSH access to the instances

SSHLocation The IP address range that can be used to SSH to the EC2 instances

SubnetId SubnetId of an existing subnet (for the primary network) in your Virtual Private Cloud (VPC)

VpcId VpcId of your existing Virtual Private Cloud (VPC)

WebCIDRBlock The IP address range that can be used to connect Maxgauge Web

(11) 최종 선택사항을 확인하고 Create 버튼 클릭

Create stack

Select Template
Specify Details
Options
Review

Review

Template

Template URL <https://s3.amazonaws.com/awssmp-fulfillment-cf-templates-prod/e036b205-1597-43de-b26a-57f689674444-9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0.template>
Description AWSMP::e036b205-1597-43de-b26a-57f689674444::9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0--AWS CloudFormation Template MFM Standard Edition - Entry
Estimate cost Link is not available

Details

Stack name AWSMPMaxGaugeforMySQLRDSStandardEditionEntry
InstanceType m4.large
KeyName
SSHLocation
SubnetId
VpcId
WebCIDRBlock 0.0.0.0/0
Create IAM resources No

Options

Tags

No tags provided

Advanced

Notification
Timeout none
Rollback on failure Yes

Cancel Previous Create

(12) 생성화면에서 MFM on AWS생성이 진행되는 것을 볼 수 있다

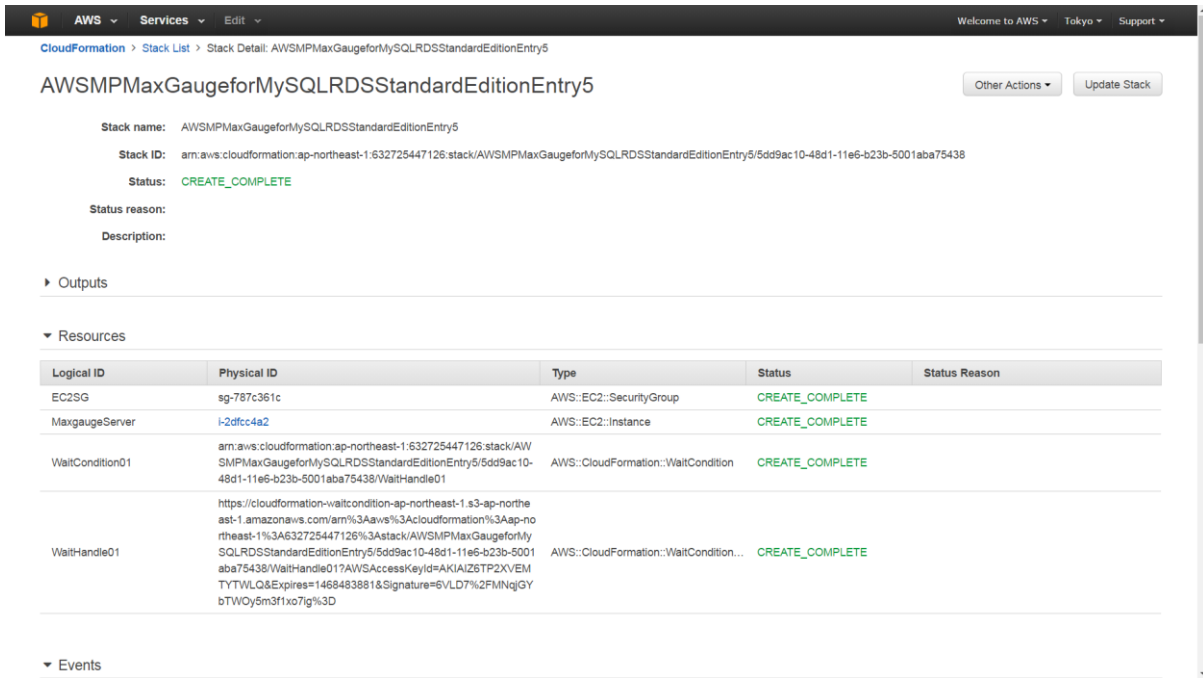
- 완료되면 CREATE_COMPLETE로 상태가 바뀐다.

Stack Name	Created Time	Status	Description
AWSMPMaxGaugeforMySQL	2016-07-13 17:11:15 UTC+0900	CREATE_IN_PROGRESS	AWSMP::e036b205-1597-43de-b26a-57f689674444::9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0--AWS CloudFormation Template MFM
AWSMPMaxGaugeforMySQL	2016-07-13 09:56:33 UTC+0900	CREATE_COMPLETE	AWSMP::e036b205-1597-43de-b26a-57f689674444::9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0--AWS CloudFormation Template MFM
AWSMPMaxGaugeforMySQL	2016-07-13 09:48:47 UTC+0900	ROLLBACK_COMPLETE	AWSMP::e036b205-1597-43de-b26a-57f689674444::9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0--AWS CloudFormation Template MFM
AWSMPMaxGaugeforMySQL	2016-07-12 18:51:14 UTC+0900	CREATE_COMPLETE	AWSMP::e036b205-1597-43de-b26a-57f689674444::9a6fa04f-ae43-41f9-a1f7-bf371df2b6c0--AWS CloudFormation Template MFM

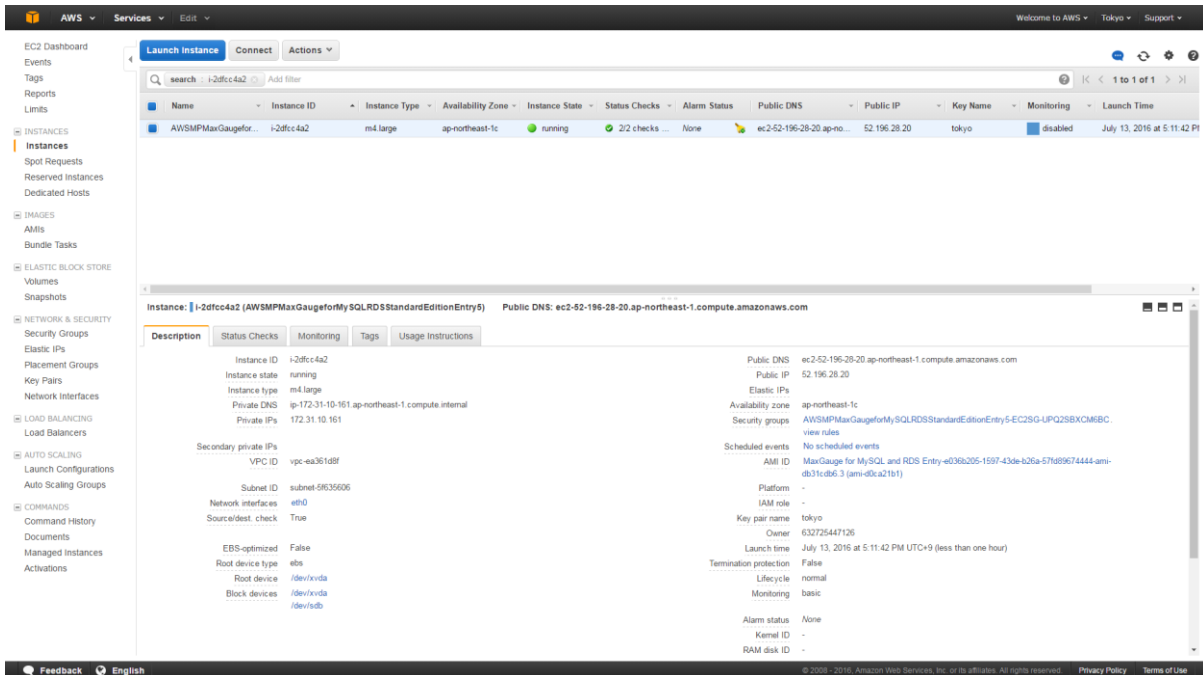
(13) Stack Name 링크를 클릭하면 생성된 상세 내역이 나온다.

- Resources를 클릭하여 세부 내역을 표시한다.

- 하기 화면의 파란색으로 표시된 MaxgaugeServer의 Physical ID를 클릭한다.



(14) 생성된 MFM EC2서버가 표시된다.



(15) Public IP주소를 이용하여 MFM서버에 접근

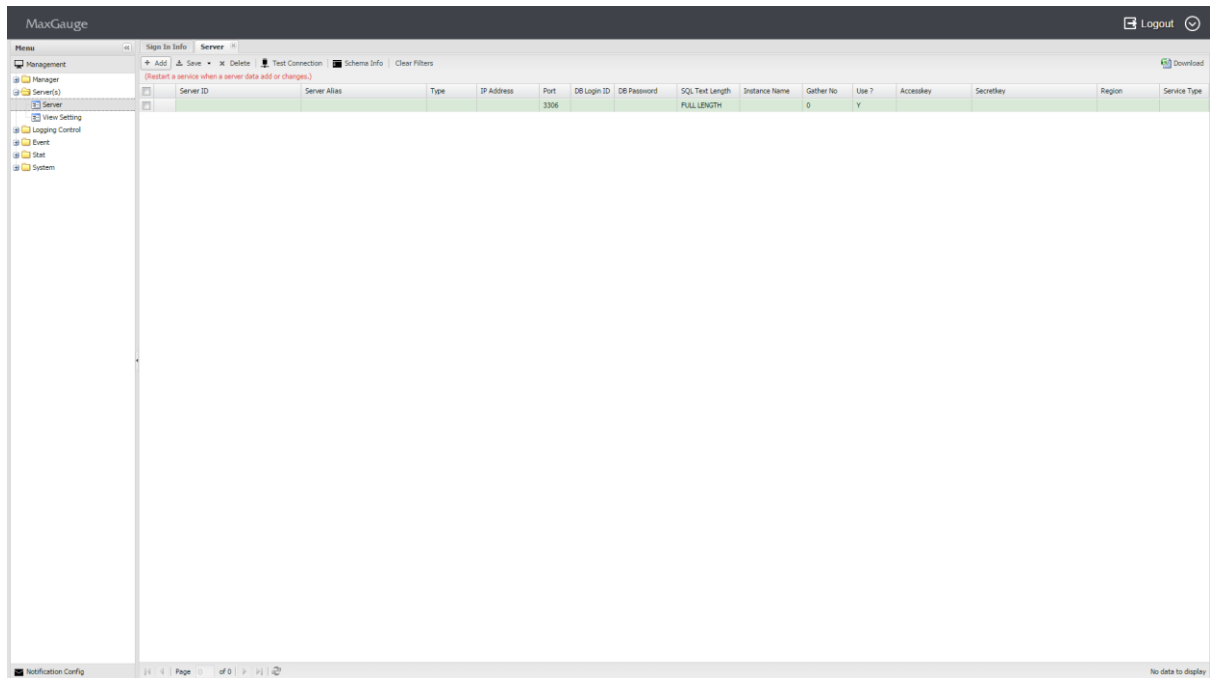
http://xxx.xxx.xxx.xxx:8170

ID: Administrator

Password : EC2서버의 instance id값

(16) MFM관리화면이 표시되며, Server설정 Tree를 선택하여 모니터링 대상 DB를 등록한다.

- Add버튼을 클릭하여 서버를 추가한다.



- 입력값은 아래와 같다.

[mysql DB 모니터링 정보]

- IP :

- port :

- select 권한이 있는 db user id/password :

- Service Type : RDS or EC2 :

- rds는 security group inbound설정 : 모든 소스IP에서 db접근 가능하여야 함

[클라우드 watch를 위한 aws IAM user 생성 및 정보 제공 필요]

- instance name : RDS의 경우, TARGET DB의 RDS인스턴스명

EC2의 경우, TARGET DB가 설치된 EC2의 **인스턴스 ID**

- AWS Region :

- aws IAM user access key, secret key,

- aws user 권한은 다음 권한 부여 필요

. CloudWatchFullAccess

. CloudWatchLogsFullAccess

. mysql이 RDS인 경우 : AmazonRDSReadOnlyAccess / mysql이 EC2인 경우 : AmazonEC2ReadOnlyAccess

(17) 설정정보 Save 및 Test Connectin버튼을 클릭하여 정상적으로 연결확인

(18) 연결이 정상적이면 MFM EC2서버에 SSH로그인을 하여 서비스 재기동

- 2개의 Shell을 실행시킨다

```
# /home/ec2-user/maxgauge/bin/all.stop.sh  
# /home/ec2-user/maxgauge/bin/all.start.sh
```

(19) MFM on AWS에 로그인하여 모니터링 수행

