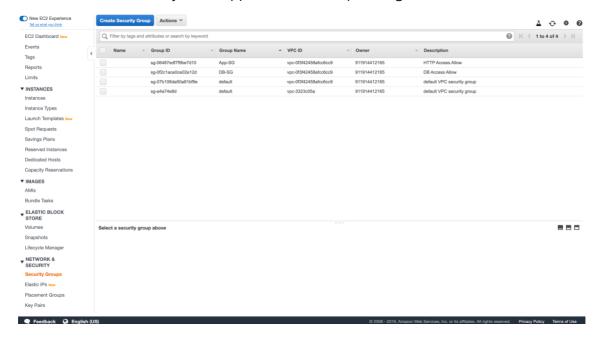
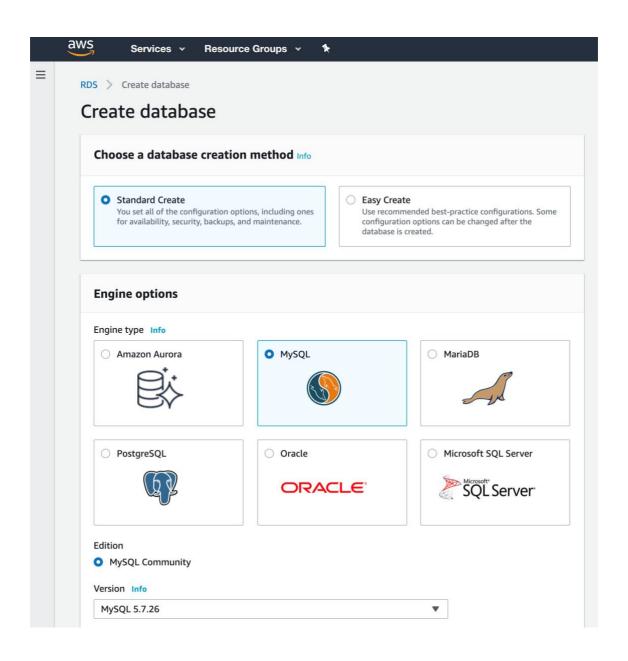
Security Group 간의 통신이 정상적으로 잘 되는지 확인해보자(RDS 는 Privacy Subnet, EC2 는 Public Subnet)

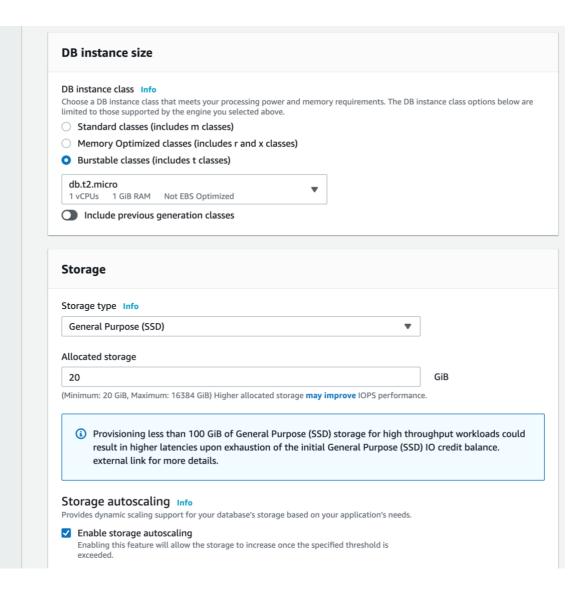
- 1. Security group 2 개 만들기
 - App-Web-SG: HTTP(any), SSH(my PC)
 - DB-SG: MySQL (App-Web-SG Group ID: sg-0c1f0a4a1ffa9aea9)

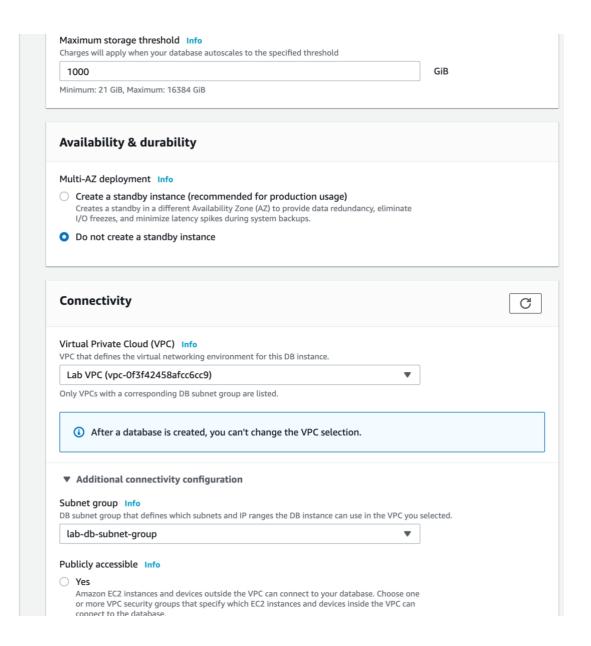


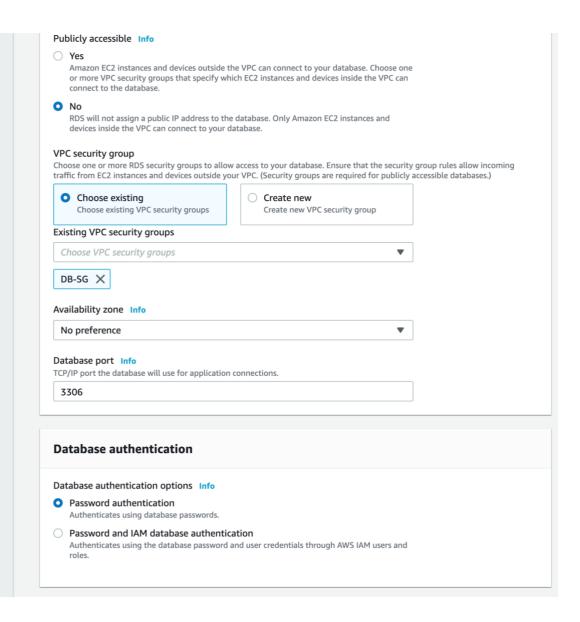
- 2. AWS RDS 만들기
 - MySQL 로 RDS 만들어보기 (heonjin-inven: heonjin/test123123)

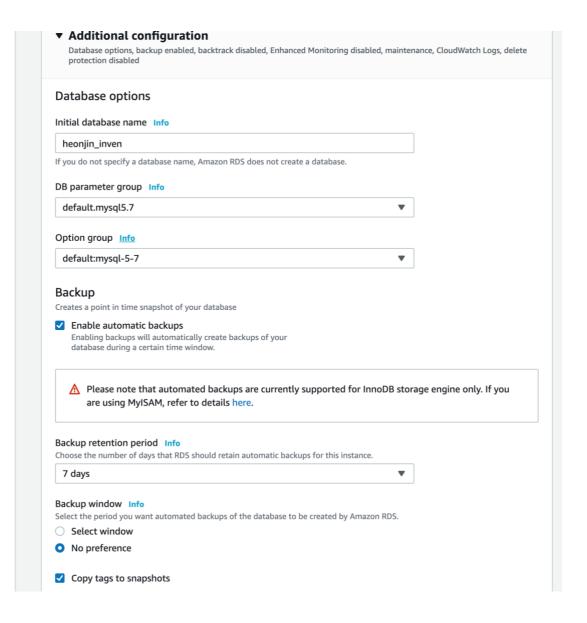


Production Use defaults for h and fast, consister performance.	
Settings	
DB instance identifie Type a name for your DB Region.	r Info B instance. The name must be unique cross all DB instances owned by your AWS account in the current AWS
heonjin-inven	
THE DR INSTANCE IDENTIFIE	er is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeri
with a hyphen.	to 15 for SQL Server). First character must be a letter. Can't contain two consecutive hyphens. Can't end
▼ Credentials Sett Master username In	to 15 for SQL Server). First character must be a letter. Can't contain two consecutive hyphens. Can't end
with a hyphen. ▼ Credentials Sett Master username In	to 15 for SQL Server). First character must be a letter. Can't contain two consecutive hyphens. Can't end ings
with a hyphen. ▼ Credentials Sett Master username In Type a login ID for the m heonjin	to 15 for SQL Server). First character must be a letter. Can't contain two consecutive hyphens. Can't end ings
with a hyphen. ▼ Credentials Sett Master username In Type a login ID for the m heonjin 1 to 16 alphanumeric ch Auto generate a	ings fo naster user of your DB instance. aracters. First character must be a letter
with a hyphen. ▼ Credentials Sett Master username In: Type a login ID for the m heonjin 1 to 16 alphanumeric ch Auto generate a Amazon RDS can ge	ings fo naster user of your DB instance. aracters. First character must be a letter password merate a password for you, or you can specify your own password
with a hyphen. ▼ Credentials Sett Master username In: Type a login ID for the m heonjin 1 to 16 alphanumeric ch Auto generate a Amazon RDS can ge	ings fo naster user of your DB instance. aracters. First character must be a letter password merate a password for you, or you can specify your own password
with a hyphen. Credentials Sett Master username In Type a login ID for the m heonjin 1 to 16 alphanumeric ch Auto generate a Amazon RDS can ge Master password Inf	ings fo naster user of your DB instance. aracters. First character must be a letter password merate a password for you, or you can specify your own password
with a hyphen. Credentials Sett Master username In Type a login ID for the m heonjin 1 to 16 alphanumeric ch Auto generate a I Amazon RDS can ge Master password Inf	ings fo naster user of your DB instance. aracters. First character must be a letter password merate a password for you, or you can specify your own password fo rintable ASCII characters. Can't contain any of the following: / (slash), "(double quote) and @ (at sign).









Monitoring Enable Enhanced monitoring Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU Log exports Select the log types to publish to Amazon CloudWatch Logs Audit log Error log General log Slow query log IAM role The following service-linked role is used for publishing logs to CloudWatch Logs. **RDS Service Linked Role** (i) Ensure that General, Slow Query, and Audit Logs are turned on. Error logs are enabled by default. Learn more Maintenance Auto minor version upgrade Info Enable auto minor version upgrade Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database. Maintenance window Info Select the period you want pending modifications or maintenance applied to the database by Amazon RDS. Select window No preference **Deletion protection** Enable deletion protection Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

Estimated monthly costs

 DB instance
 18.98 USD

 Storage
 2.62 USD

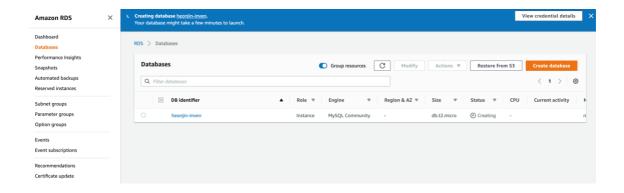
 Total
 21.60 USD

This billing estimate is based on on-demand usage as described in Amazon RDS Pricing . Estimate does not include costs for backup storage, IOs (if applicable), or data transfer.

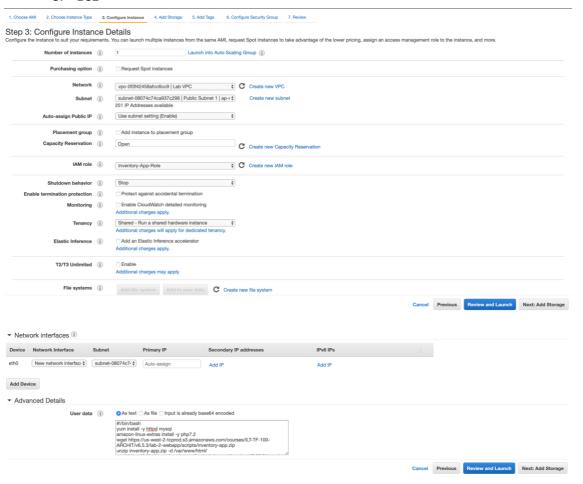
Estimate your monthly costs for the DB Instance using the AWS Simple Monthly Calculator <a>Z.

Cancel

Create database



3. EC2 인스턴스 만들기



Assign a security group: Create a new security group Select an existing security group

Security group name: App-Web-SG
Description: Web Access Allow

Type (i)	Protocol (i)	Port Range (i)	Source (i)	Description (i)	
HTTP \$	TCP	80	Anywhere \$ 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop	8
SSH ¢	TCP	22	My IP \$ 125.141.120.103/32	e.g. SSH for Admin Desktop	8

Add Rule

Cancel Previous Review and Launch

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

▼ AMI Details Edit AMI

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0d59ddf55cdda6e21
Fraction
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Gilbc 2.26, Binutils 2.29.1, and the latest software packages through extras.

Root Device Type eta Virtualization type: here

▼ Instance Type

Instance Type ECUs vCPUs Memory (GIB) Instance Storage (GB) EBS-Optimized Available Network Performance 12.micro Variable 1 1 EBS only - Low to Moderate

▼ Security Groups Edit security groups

Security group name App-Web-SG

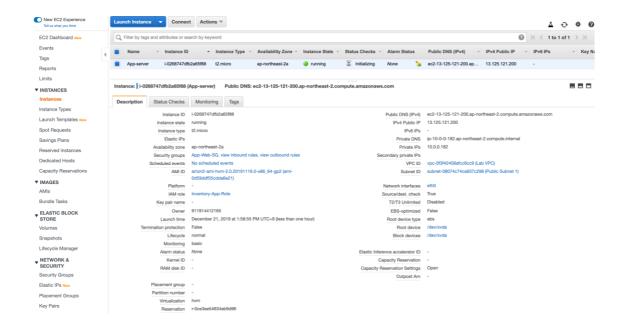
Description Web Access Allow

Type (i)	Protocol (i)	Port Range (i)	Source (i)	Description (i)
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	::/0	
SSH	TCP	22	125.141.120.103/32	

Edit storage

Edit tags

Cancel Previous Launch

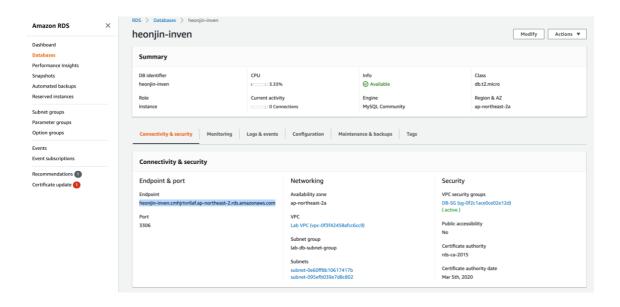


4. 연결이 되어 있지 않은 DB 를 연동해서 연결이 되면 제대로 Security Group 간의 통신이 이뤄지고 있는 것임

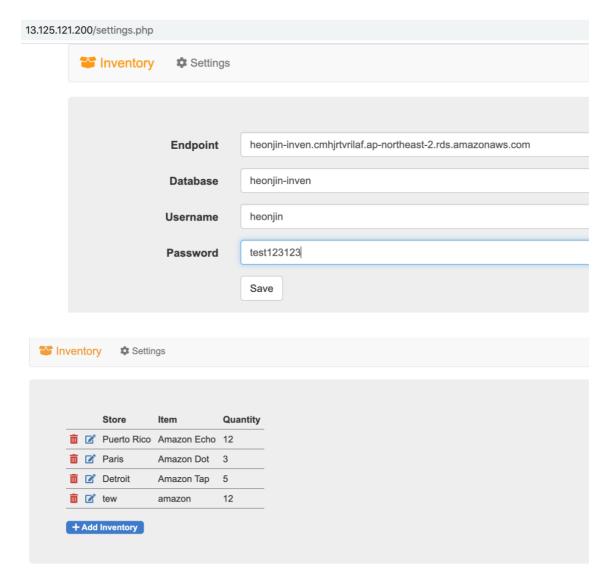


This page was generated by instance i-0268747dfb2a65f88 in Availability Zone ap-northeast-2a.

• 현재 연결되어 있지 않음



• 연결을 위해 RDS 에서 Endpoint 주소를 가져온다.



 $This page was generated by instance \textbf{i-048f83c86dc89b67d} \ in \ Availability \ Zone \ \textbf{ap-northeast-2a}.$

-> DB의 값이 알맞게 들어가있으면 다음과 같이 DB의 내용이 보이게 된다.