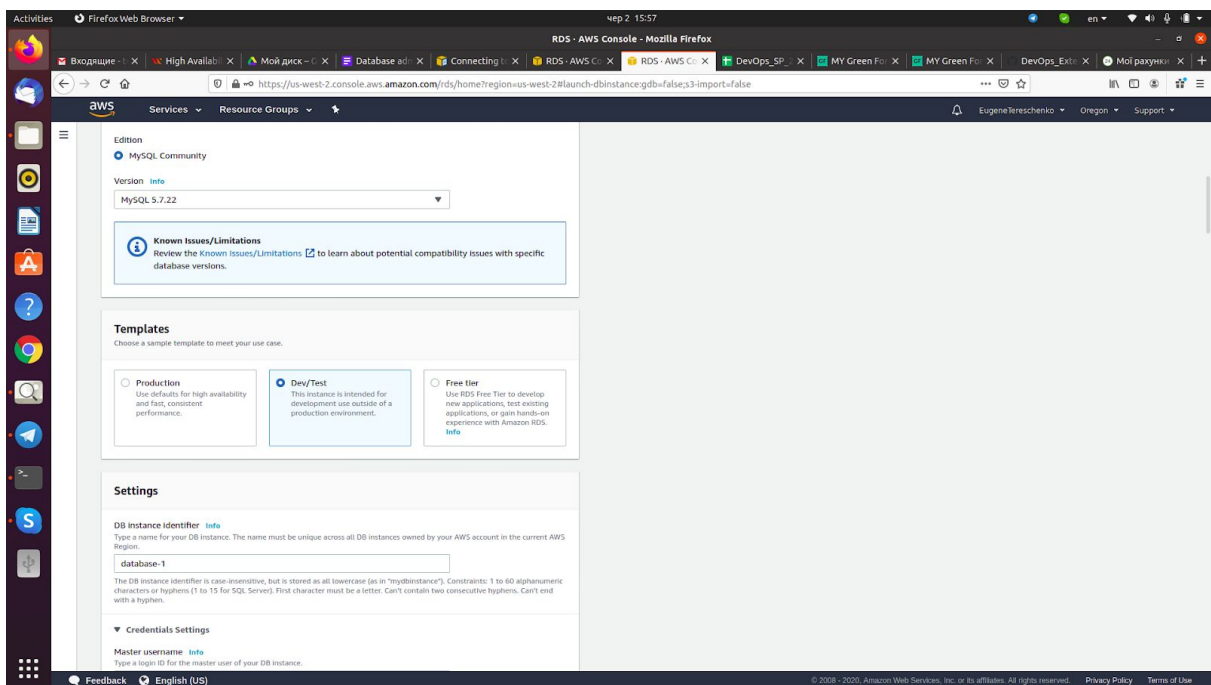
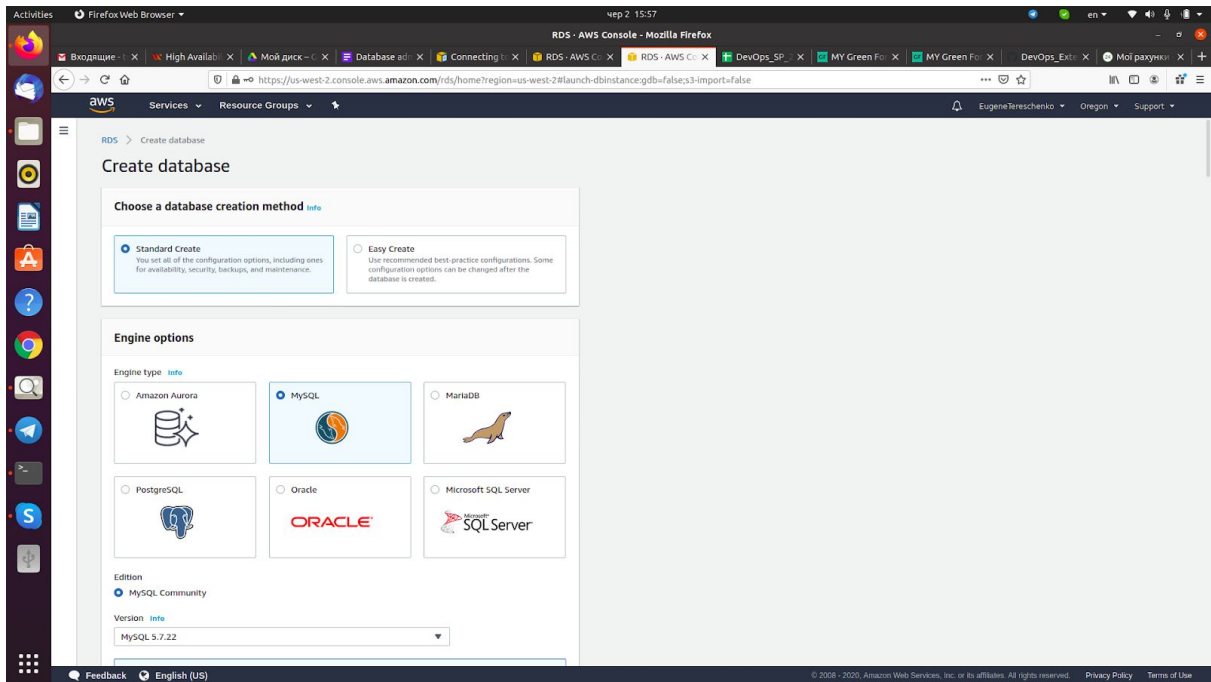
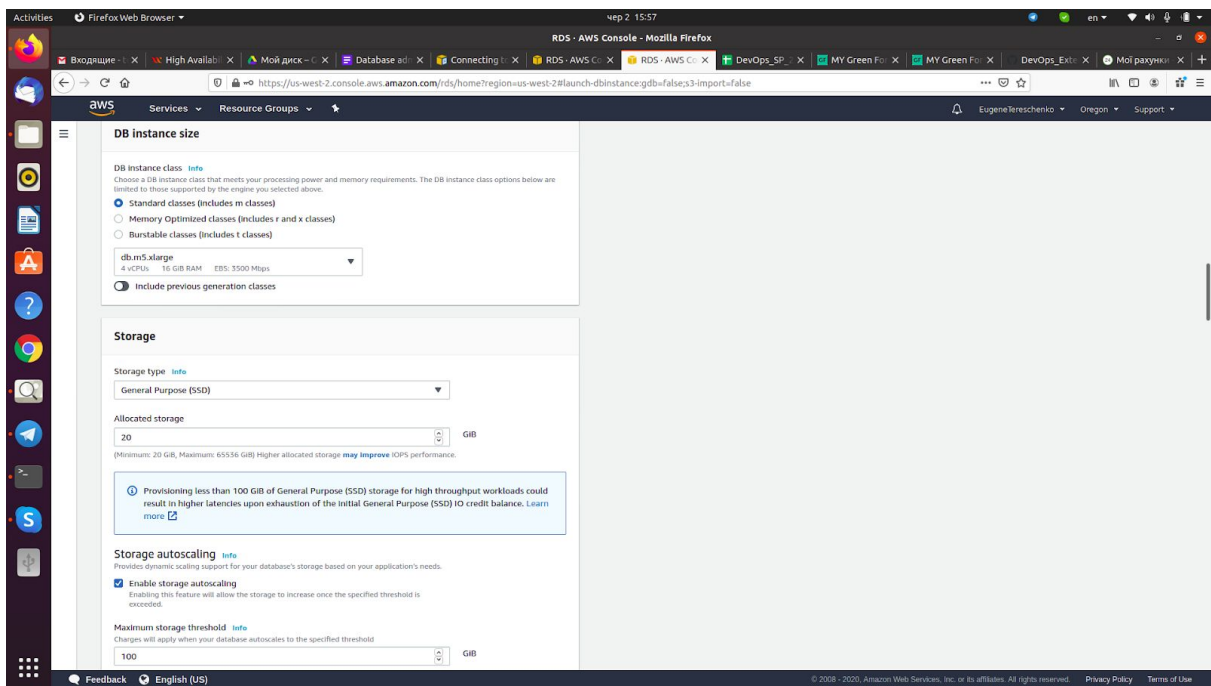
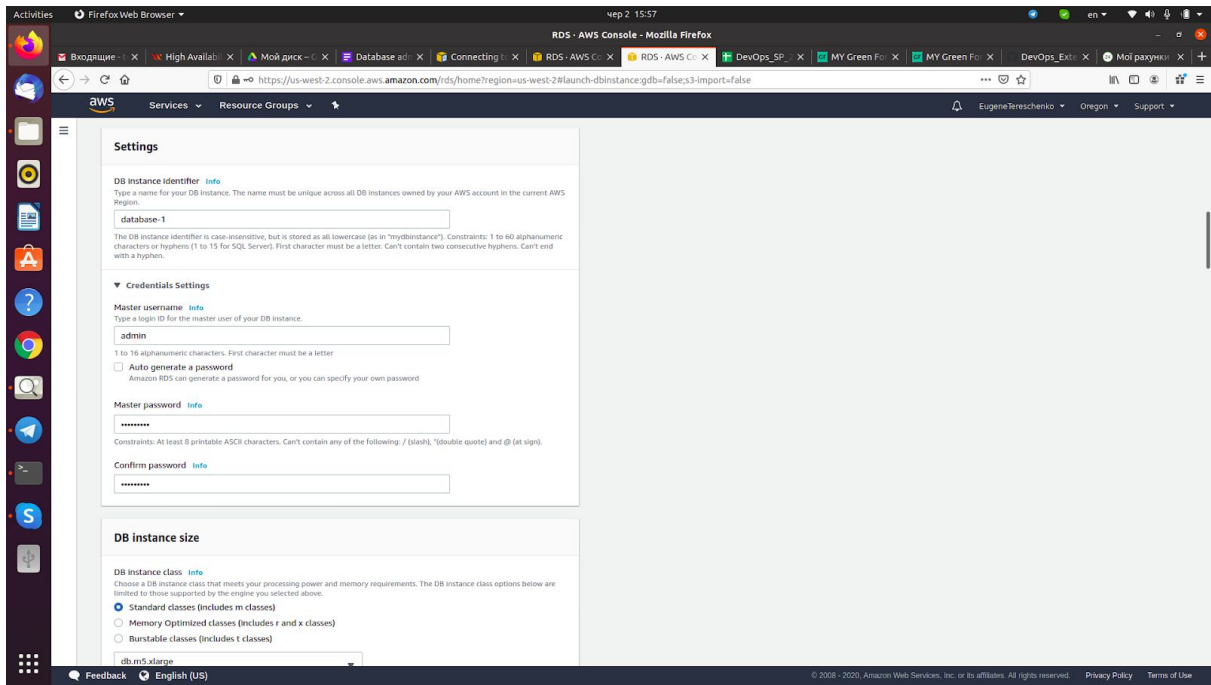
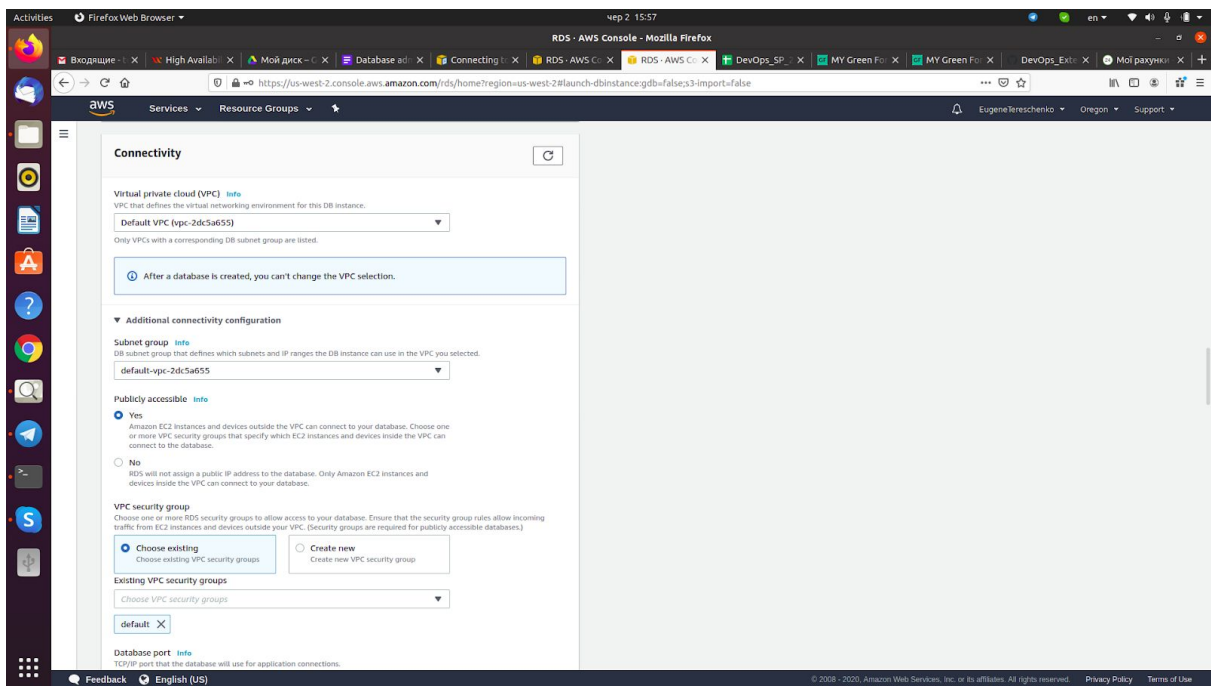
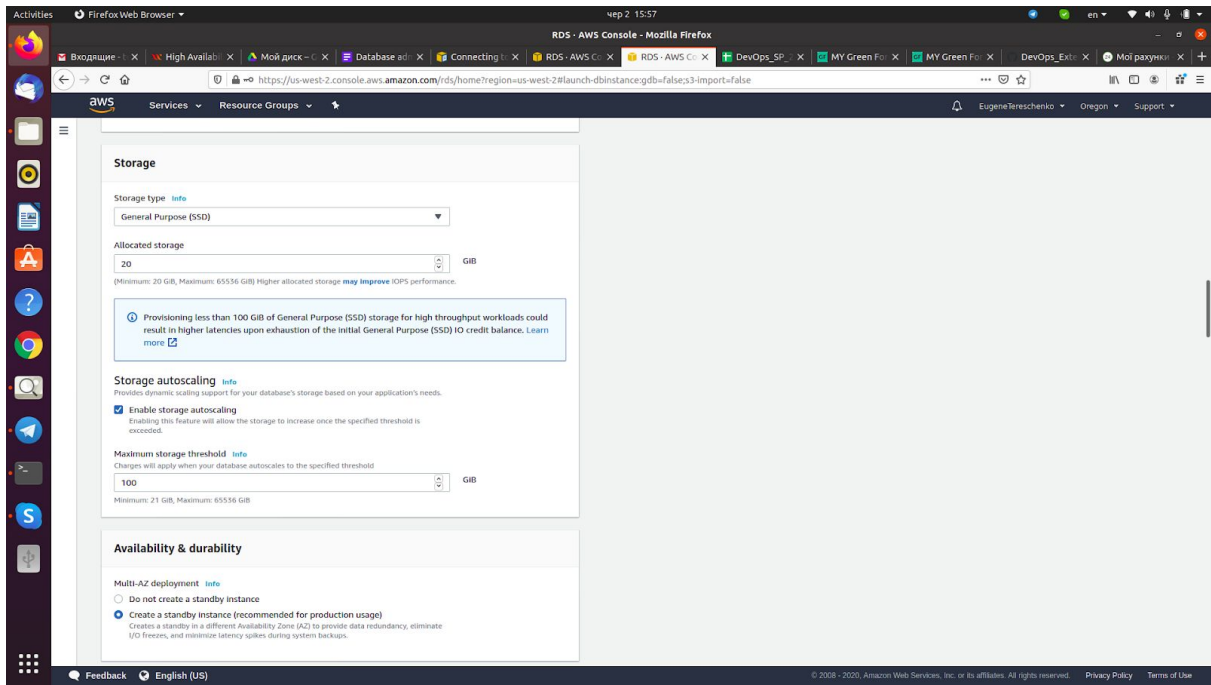


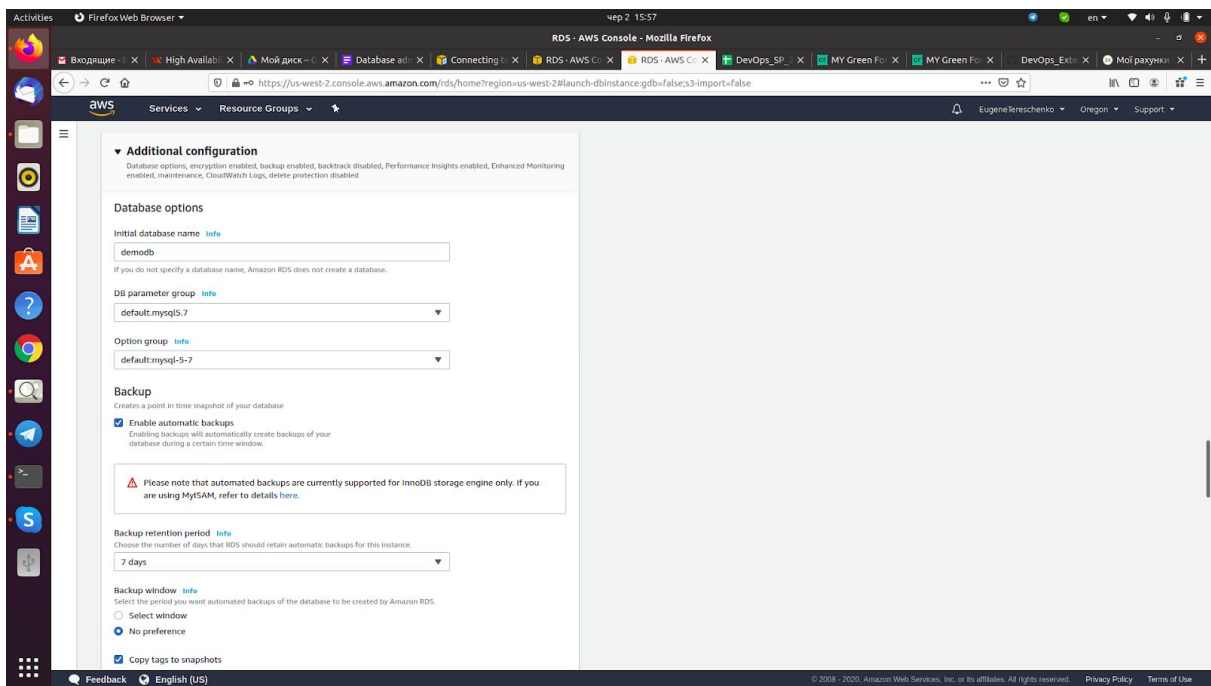
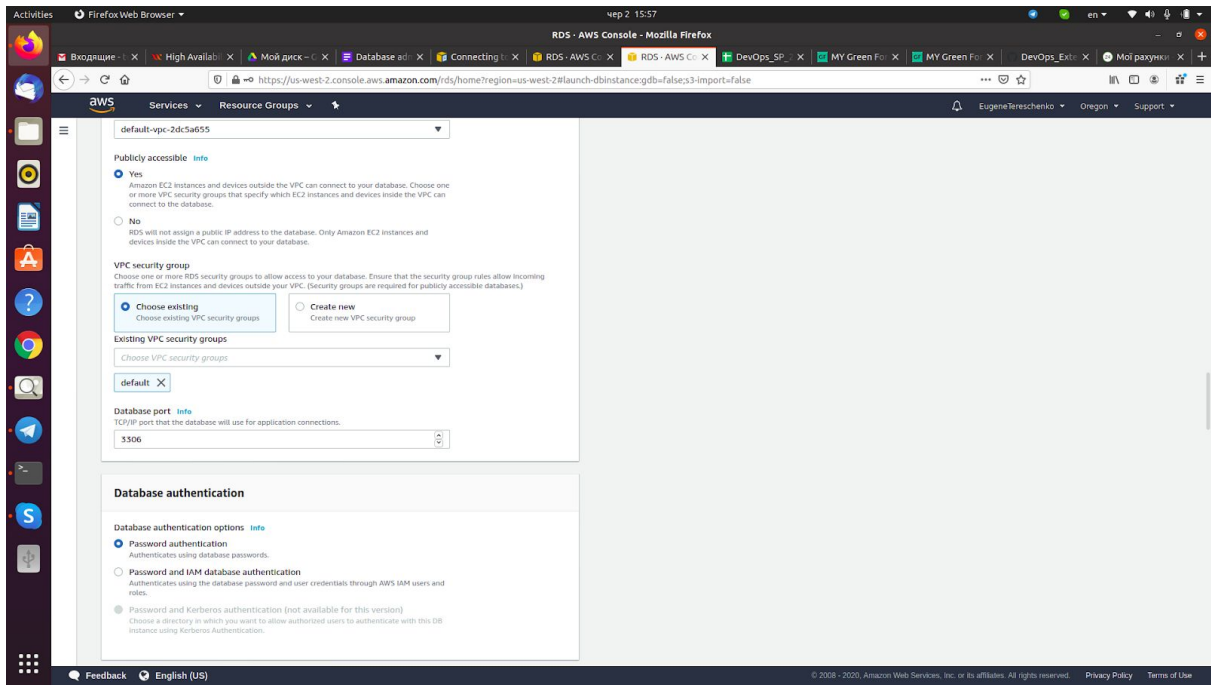
# Database administration

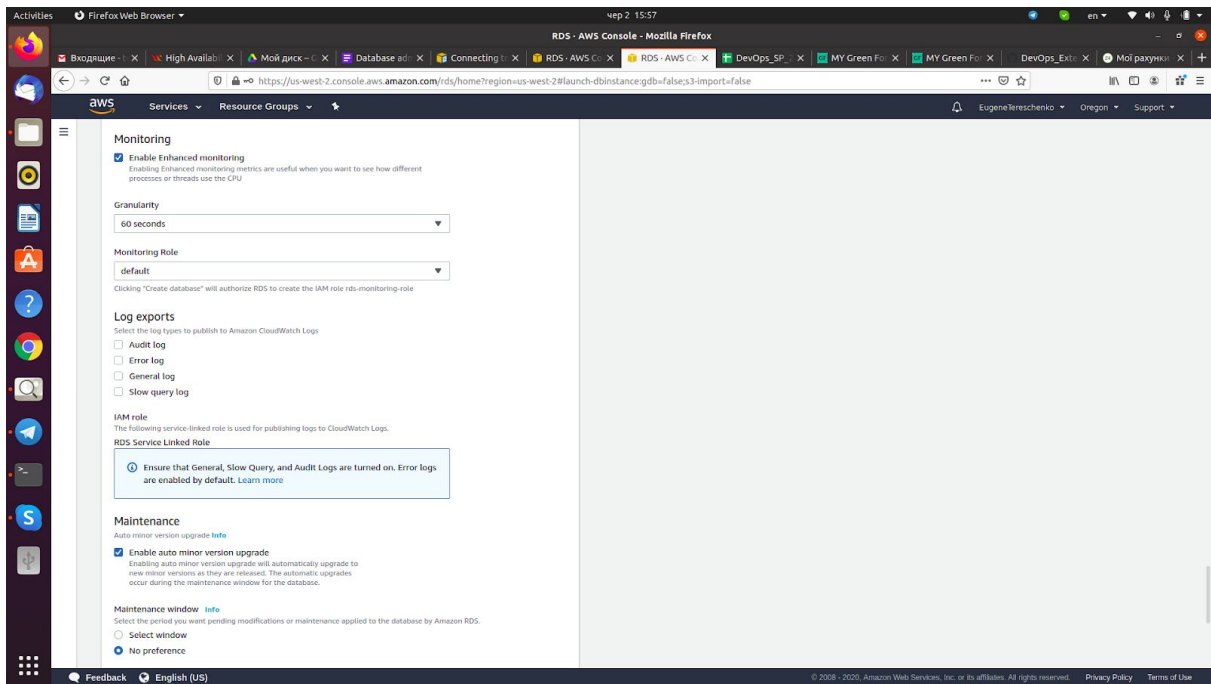
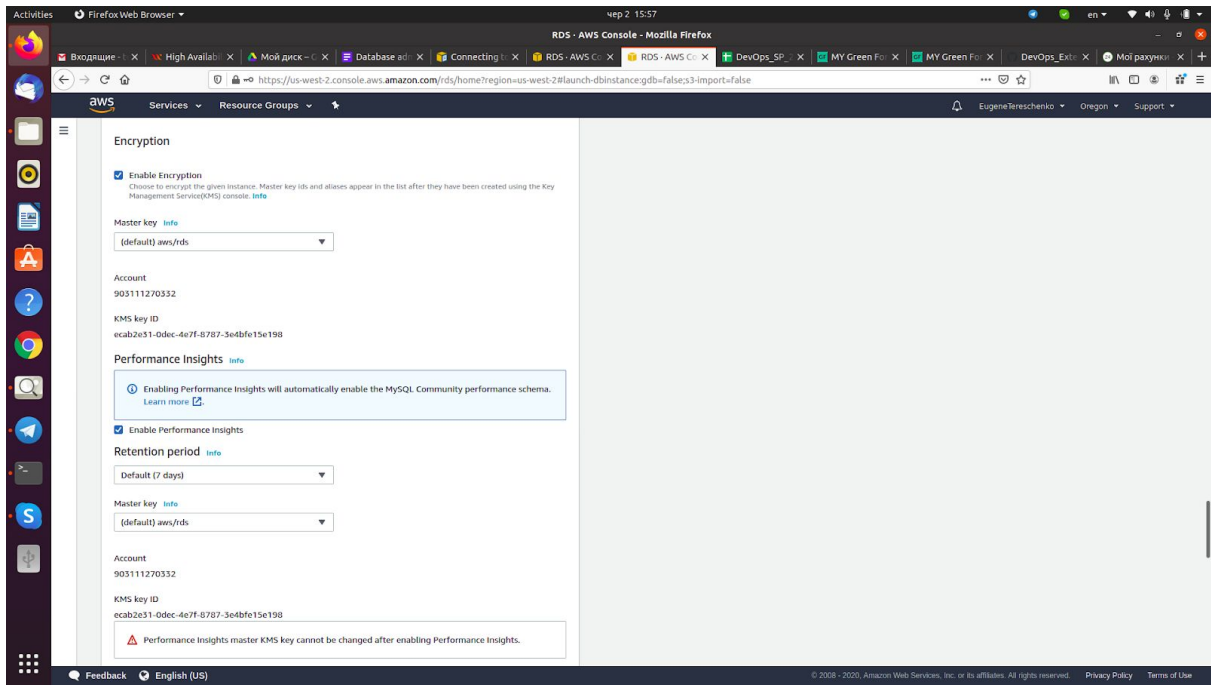
## 1. Create database











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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#launch-db-instance:gdb=false&import=false

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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	249.66 USD
Storage	2.30 USD
Multi-AZ standby instance	249.66 USD
<b>Total</b>	<b>501.62 USD</b>

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

Estimate your monthly costs for the DB Instance using the [AWS Simple Monthly Calculator](#).

**You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.**

Cancel **Create database**

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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

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Creating database database-1. Your database might take a few minutes to launch. [View credential details](#)

RDS > Databases

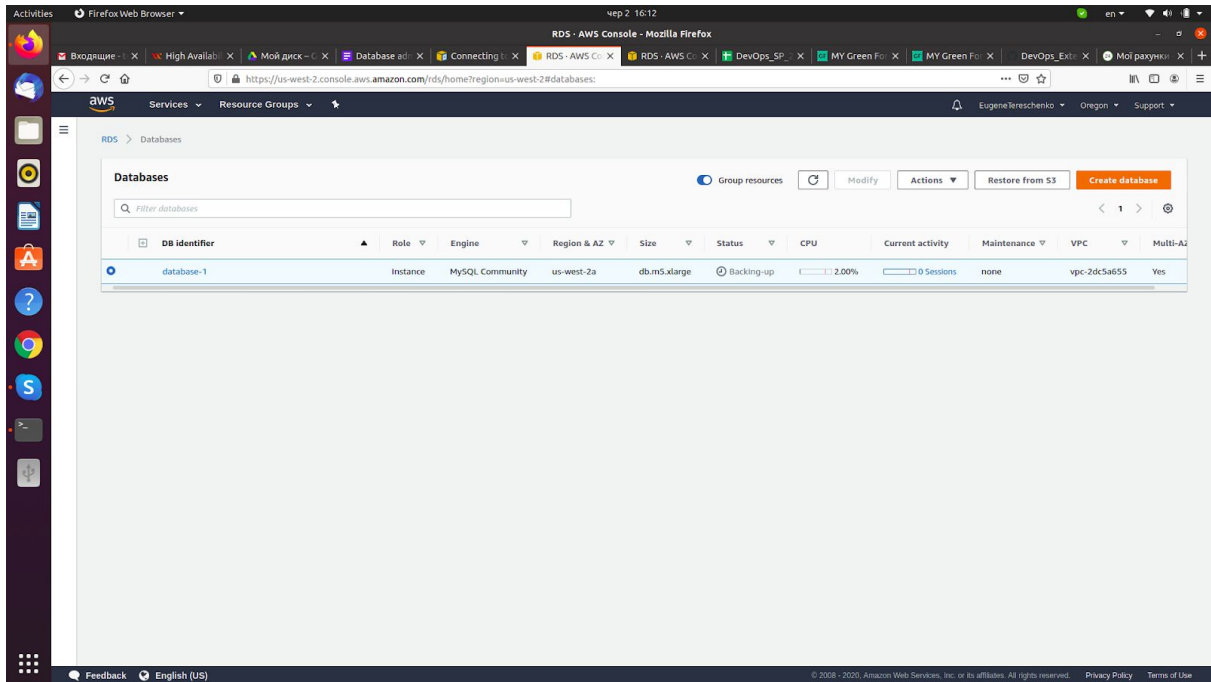
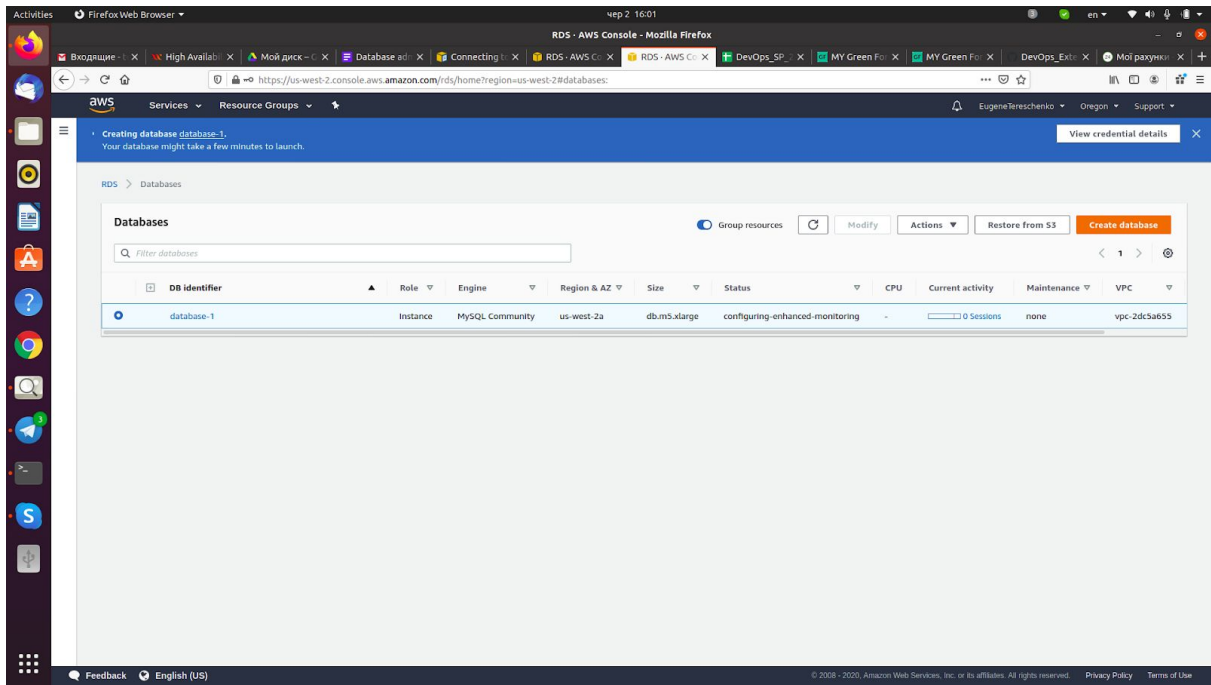
### Databases

☒ Group resources [Refresh](#) [Modify](#) [Actions](#) [Restore from S3](#) **Create database**

<input type="checkbox"/>	DB identifier	Role	Engine	Region & AZ	Size	Status	CPU	Current activity	Maintenance	VPC	Multi-AZ
<input checked="" type="checkbox"/>	database-1	Instance	MySQL Community	us-west-2a	db.m5.xlarge	Creating	-	0 Sessions	none	vpc-2dc5a655	Yes

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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#database-id=database-1&cluster=false&tab=connectivity

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RDS > Databases > database-1

database-1 Modify Actions

Summary

DB identifier database-1	CPU 0.00%	Info Available	Class db.m5.xlarge
Role Instance	Current activity 0 Sessions	Engine MySQL Community	Region & AZ us-west-2a

Connectivity & security Monitoring Logs & events Configuration Maintenance & backups Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint database-1.cdnrtiz9luh5x.us-west-2.rds.amazonaws.com	Availability zone us-west-2a	VPC security groups default (sg-2522897a) (active)
Port 3306	VPC vpc-2dc5a655	Public accessibility Yes
	Subnet group default-vpc-2dc5a655	Certificate authority rds-ca-2019
	Subnets subnet-561a031d subnet-f55711de subnet-2217eb5a subnet-4272bd1f	Certificate authority date Aug 22nd, 2024

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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#database-id=database-1&cluster=false&tab=monitoring

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RDS > Databases > database-1

database-1 Modify Actions

Summary

DB identifier database-1	CPU 0.00%	Info Available	Class db.m5.xlarge
Role Instance	Current activity 0 Sessions	Engine MySQL Community	Region & AZ us-west-2a

Connectivity & security Monitoring Logs & events Configuration Maintenance & backups Tags

CloudWatch (15)

Legend: database-1

CPU Utilization (Percent)

DB Connections (Count)

Free Storage Space (MB)

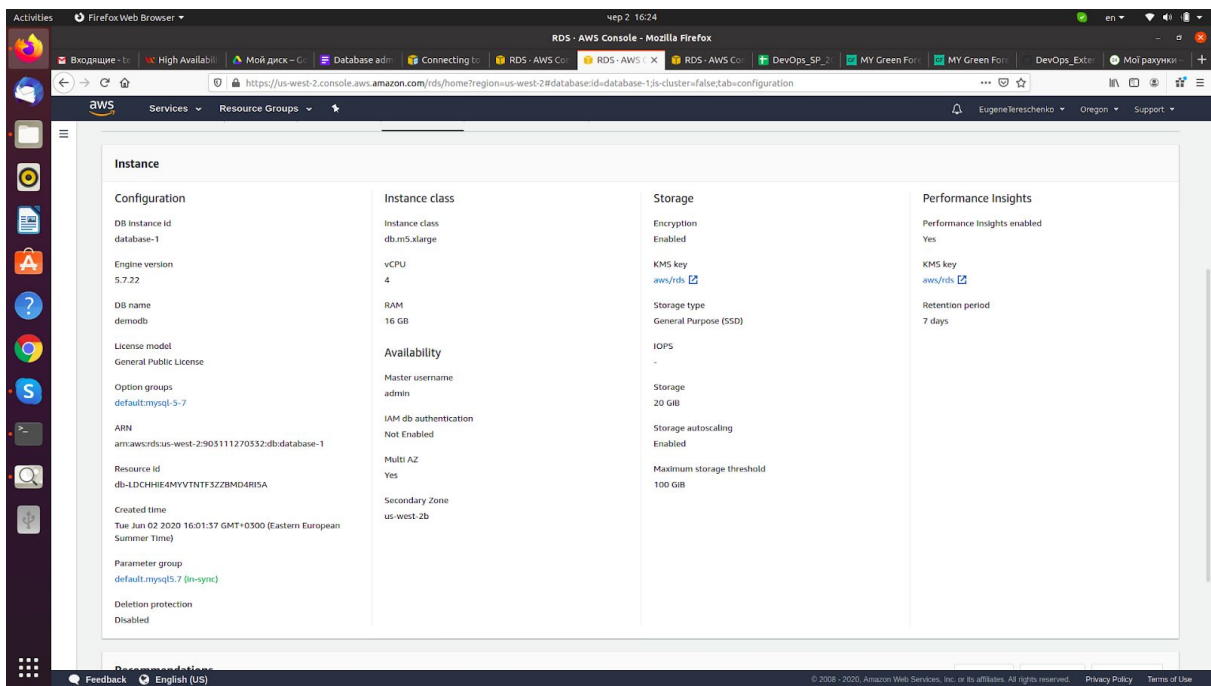
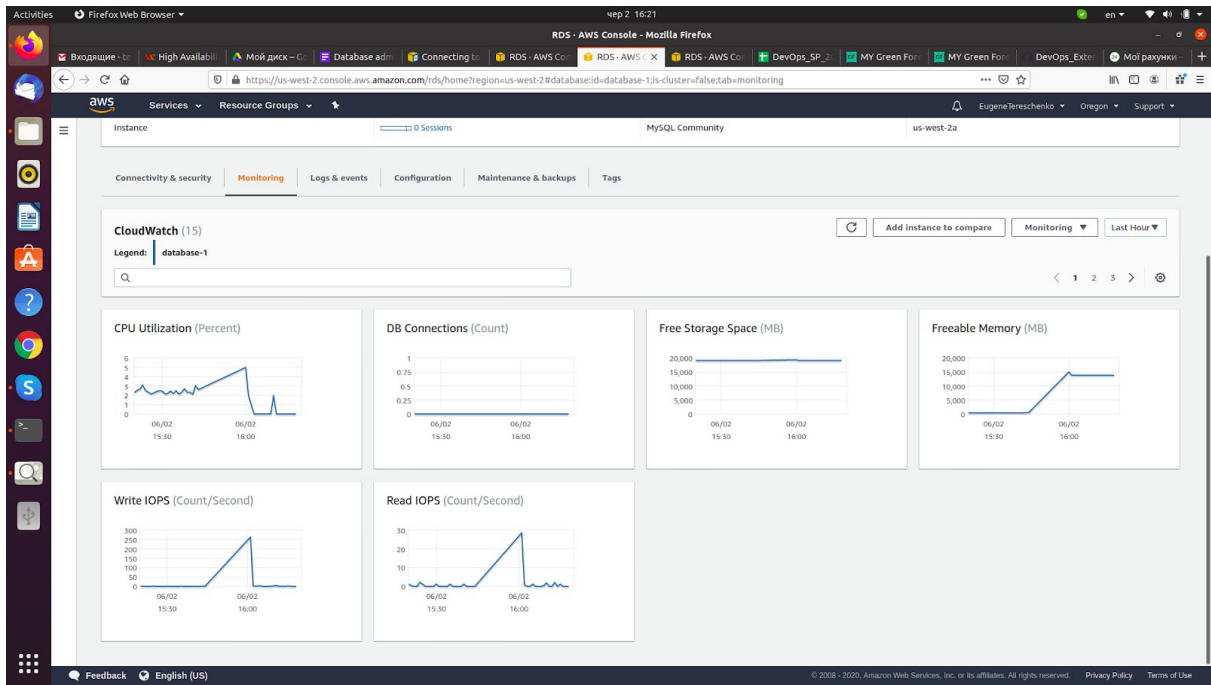
Freeable Memory (MB)

Write IOPS (Count/Second)

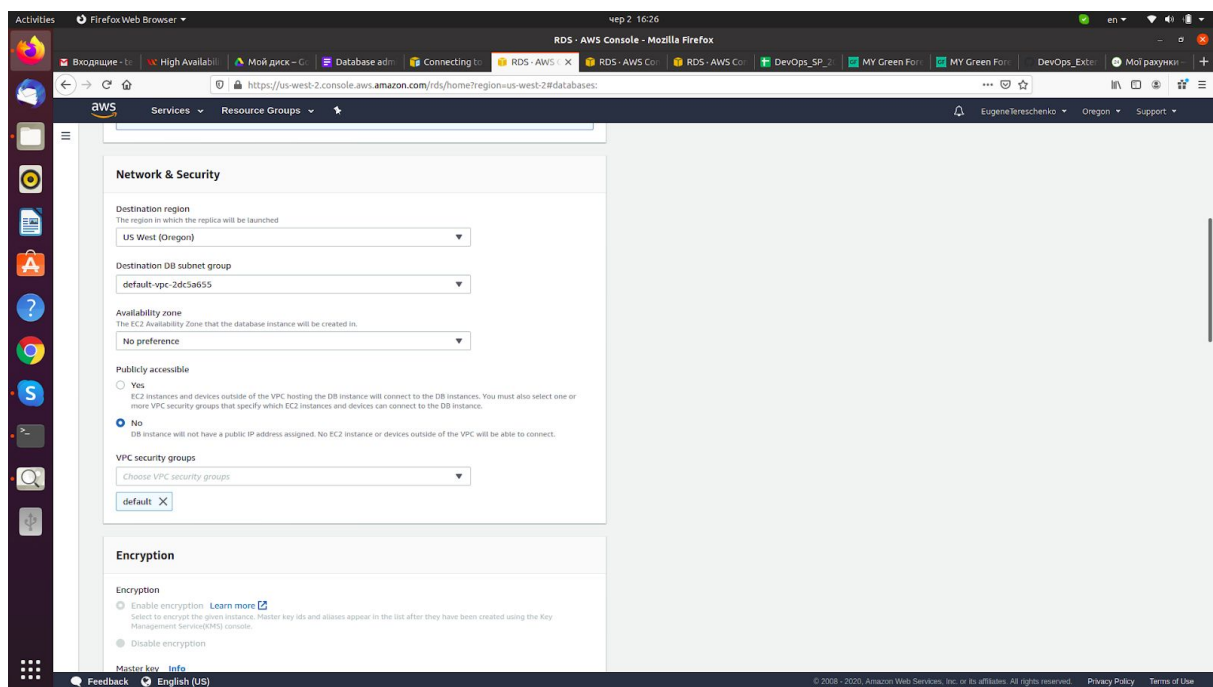
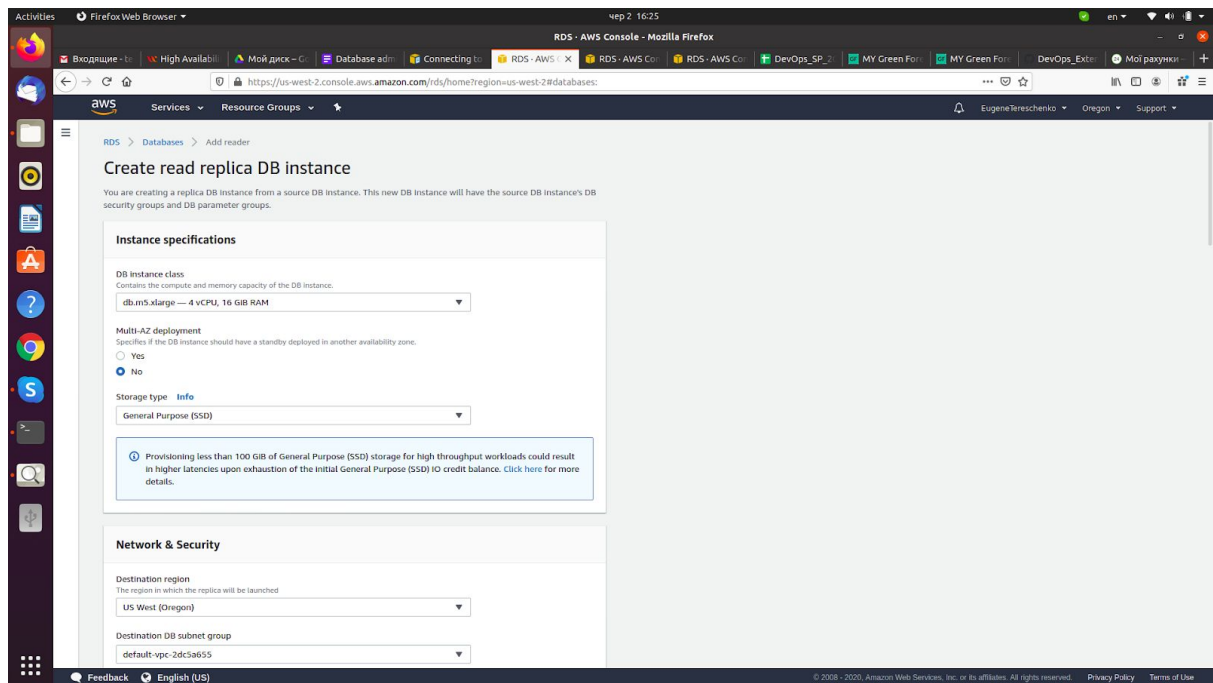
Read IOPS (Count/Second)

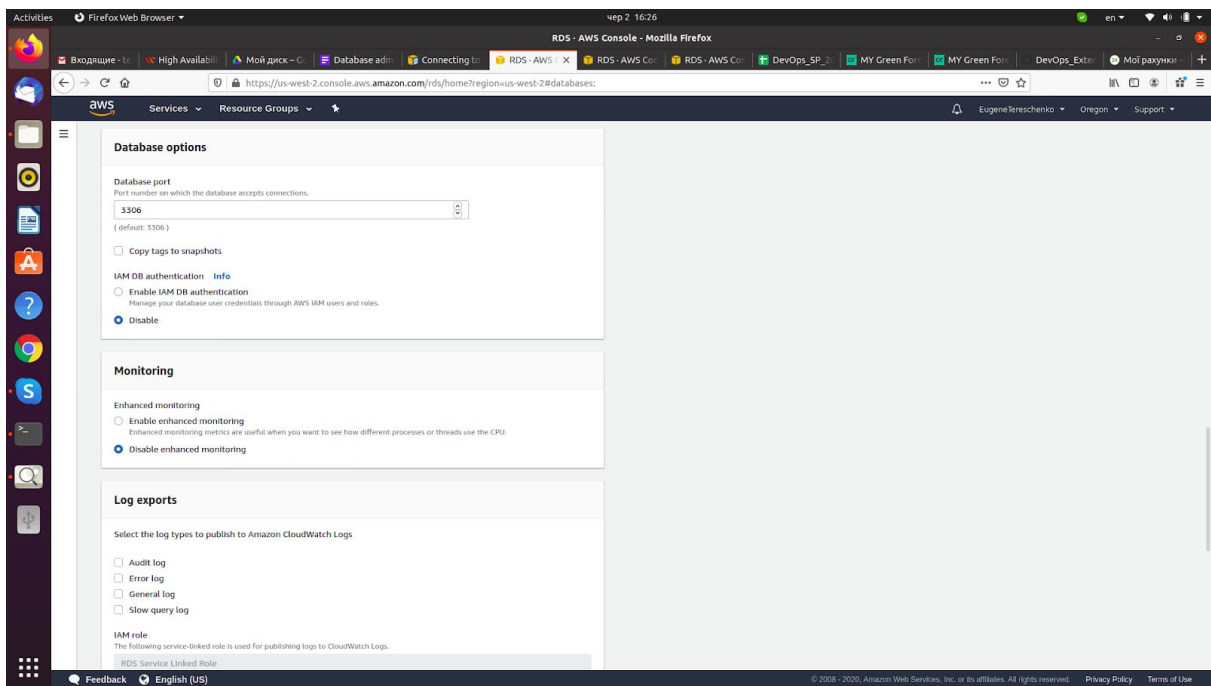
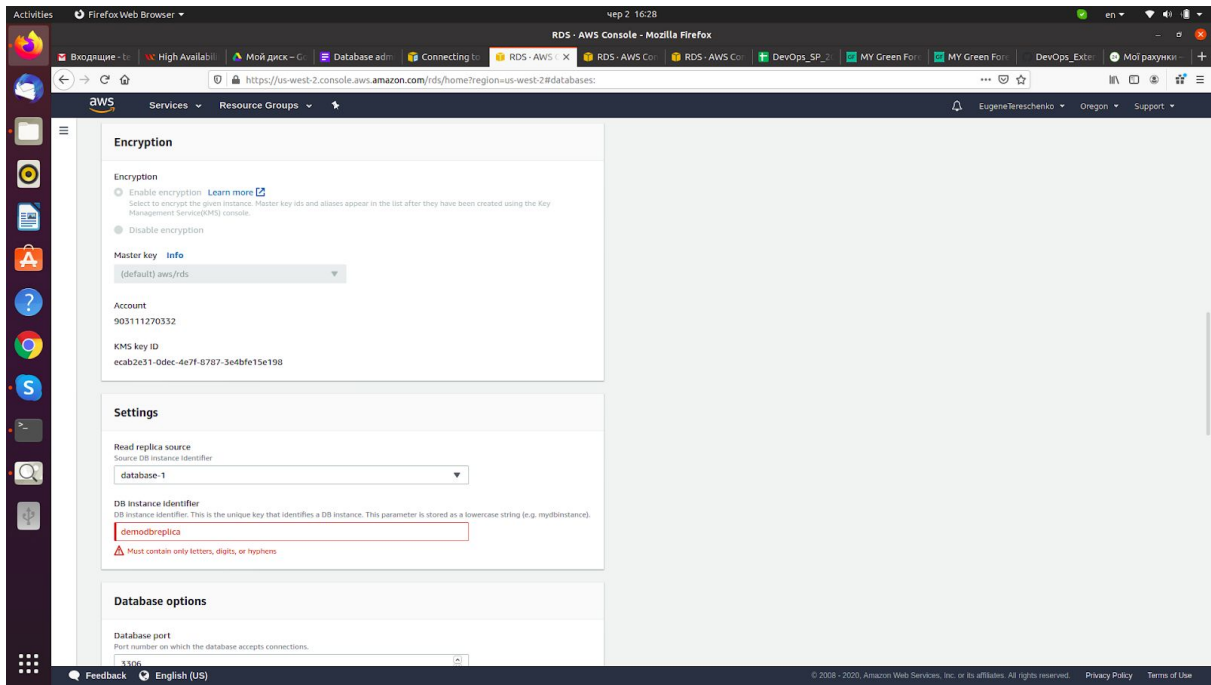
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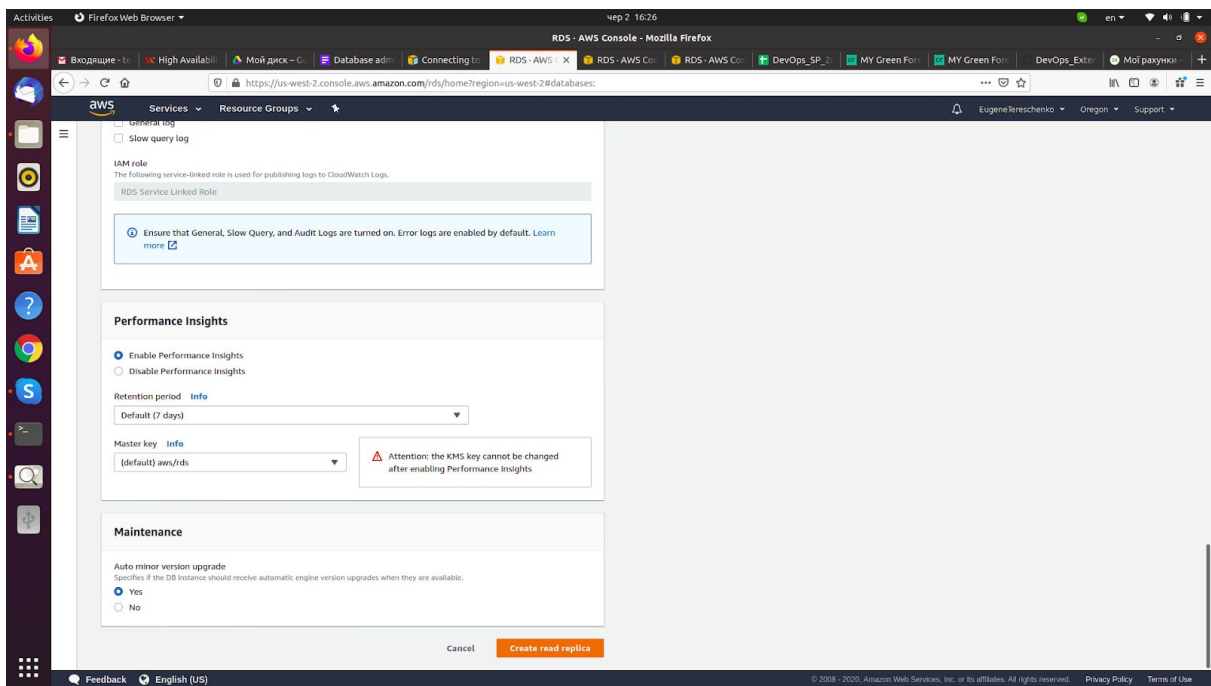
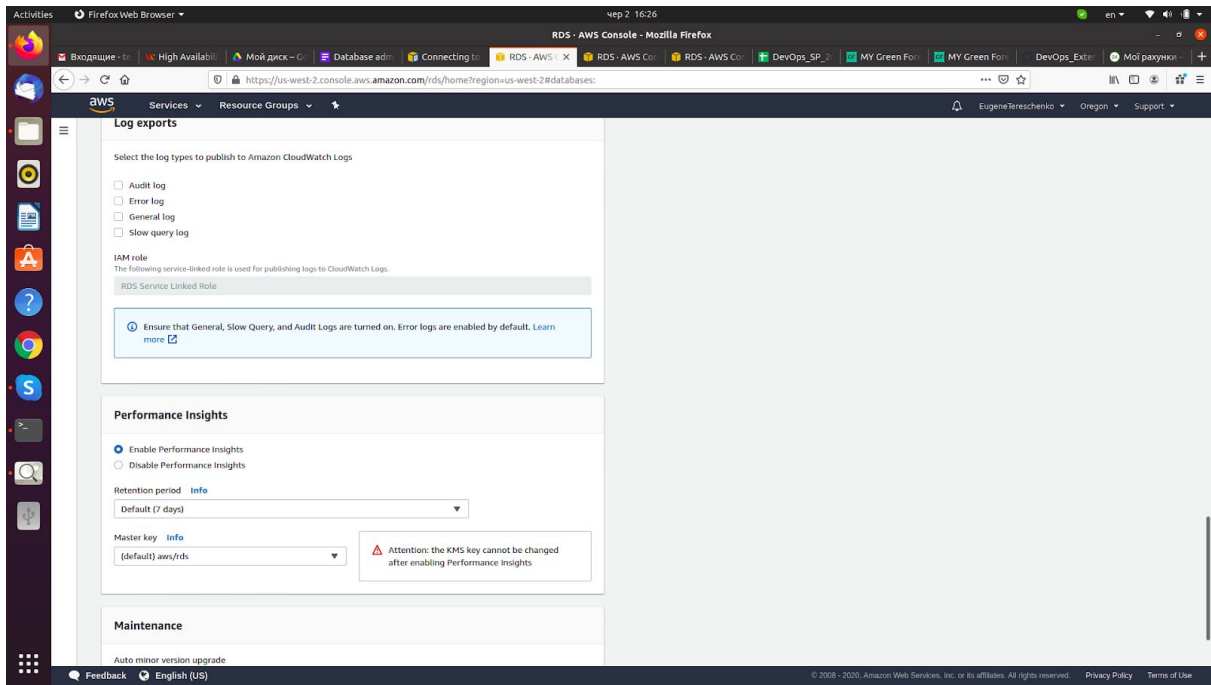




## 2. Creating a Read Replica







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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

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RDS > Databases

Databases Group resources Modify Actions Restore from S3 Create database

Filter databases

DB identifier	Role	Engine	Region & AZ	Size	Status	CPU	Current activity	Maintenance	VPC	Multi-AZ
database-1	Master	MySQL Community	us-west-2a	db.m5.xlarge	Available	0.00%	0 Sessions	none	vpc-2dc5a655	Yes
demodbreplica	Replica	MySQL Community	us-west-2a	db.m5.xlarge	Creating	-	0 Sessions	none	vpc-2dc5a655	No

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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases:

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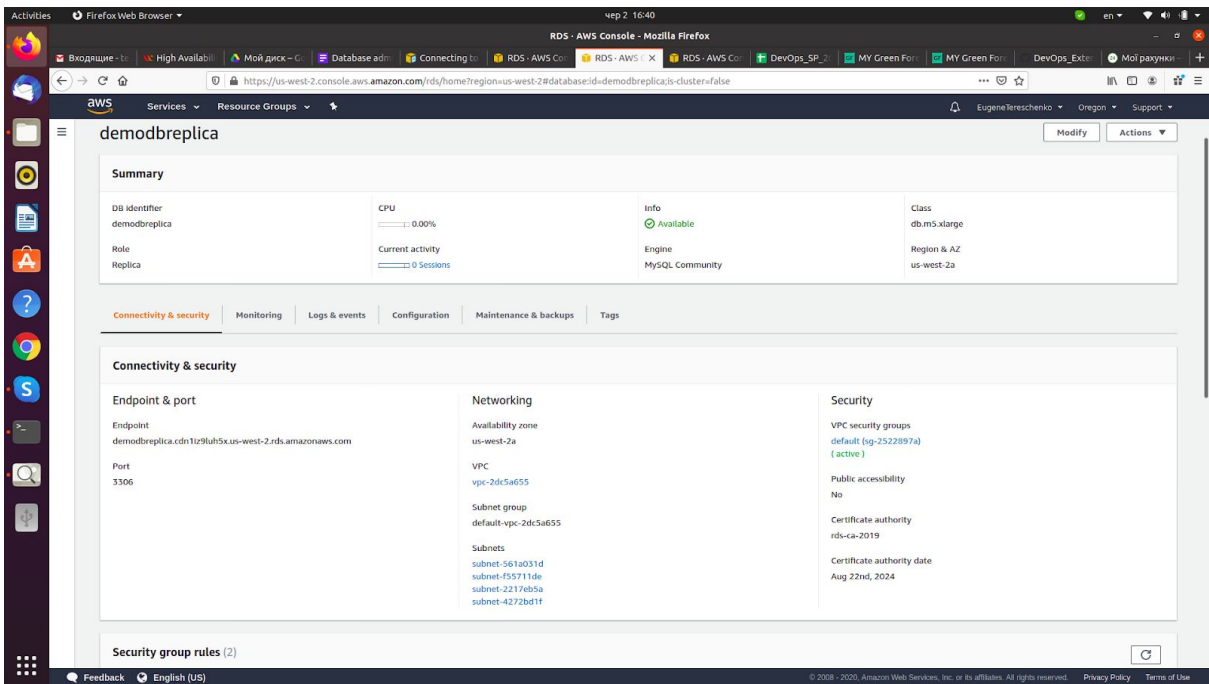
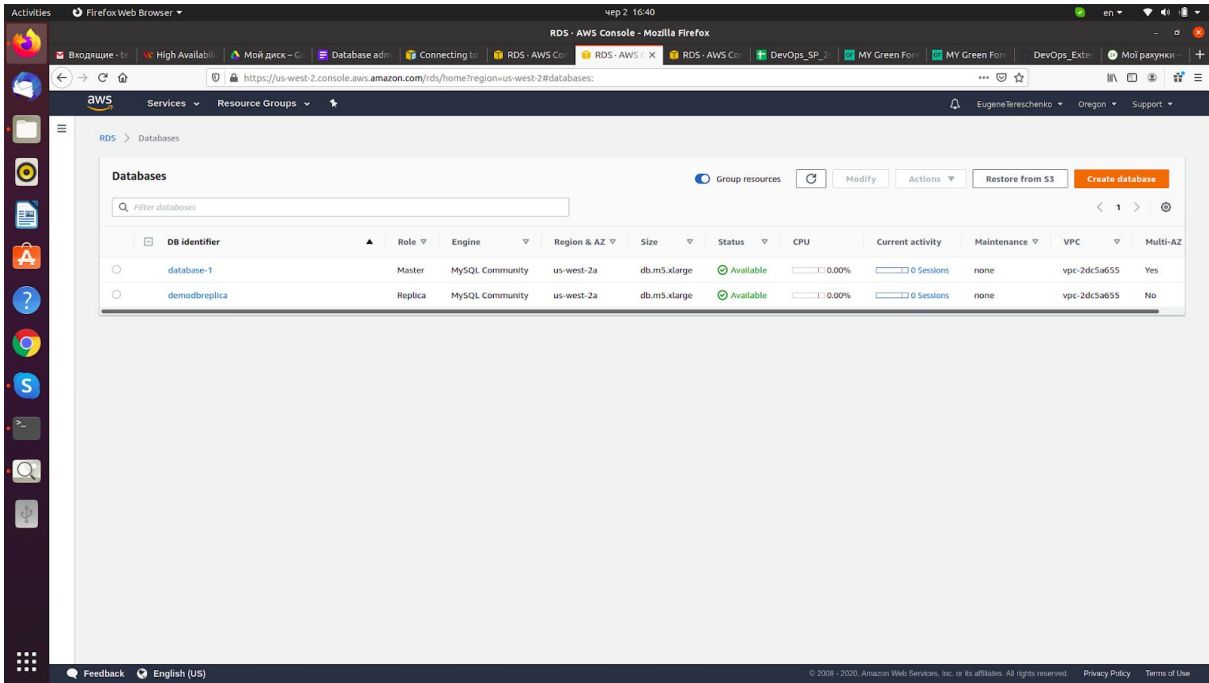
RDS > Databases

Databases Group resources Modify Actions Restore from S3 Create database

Filter databases

DB identifier	Role	Engine	Region & AZ	Size	Status	CPU	Current activity	Maintenance	VPC	Multi-AZ
database-1	Master	MySQL Community	us-west-2a	db.m5.xlarge	Available	1.00%	0 Sessions	none	vpc-2dc5a655	Yes
demodbreplica	Replica	MySQL Community	us-west-2a	db.m5.xlarge	Modifying	-	0 Sessions	none	vpc-2dc5a655	No

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https://us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#database-id=demo-db-replica&is-cluster=false

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### Security group rules (2)

Filter security group rules

Security group	Type	Rule
default (sg-2522897a)	EC2 Security Group - Inbound	sg-2522897a
default (sg-2522897a)	CIDR/IP - Outbound	0.0.0.0/0

### Replication (2)

Filter replication

DB instance	Role	Zone	Replication source	Replication state	Lag
database-1	Master	us-west-2a	-	-	-
demondb-replica	Replica	us-west-2a	database-1	Replicating	-

### Proxies (0)

Filter proxies

Actions Create proxy

Proxy identifier	Status	Engine compatibility
------------------	--------	----------------------

No proxies  
You don't have any proxies.  
Create proxy

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