

To choose the most suitable Region I've used one of my utility scripts written in PowerShell and available at <https://github.com/m-a-g-e/utilities/blob/master/Get-AvgPingResponseTime.ps1>

It aggregates results of ping utility and shows the most suitable ones.

The results were:

Name	Value
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<b>rds.eu-central-1.amazonaws.com</b>	<b>68</b>
<b>rds.eu-west-1.amazonaws.com</b>	<b>90</b>
<b>rds.eu-west-2.amazonaws.com</b>	<b>96</b>
rds.ap-northeast-1.amazonaws.com	147
rds.us-east-1.amazonaws.com	151
rds.ca-central-1.amazonaws.com	152
rds.us-east-2.amazonaws.com	163
rds.ap-south-1.amazonaws.com	189
rds.ap-northeast-2.amazonaws.com	190
rds.us-west-2.amazonaws.com	219
rds.us-gov-west-1.amazonaws.com	240
rds.sa-east-1.amazonaws.com	270
rds.us-west-1.amazonaws.com	280
rds.cn-north-1.amazonaws.com.cn	281
rds.ap-southeast-2.amazonaws.com	326
rds.ap-southeast-1.amazonaws.com	354

There is no surprise that Europe won because I live in Russia.

**EU (Frankfurt) Region (rds.eu-central-1.amazonaws.com)**  
**is the best option for me.**

Here are the results for the first three options to prove my point and show that my script works correctly:

```
PS D:\coursera\design-secure-networked-systems\week1> ping
rds.eu-central-1.amazonaws.com
PS D:\coursera\design-secure-networked-systems\week1>
Pinging rds.eu-central-1.amazonaws.com [54.239.55.76] with 32 bytes of data:
Reply from 54.239.55.76: bytes=32 time=65ms TTL=243
Reply from 54.239.55.76: bytes=32 time=66ms TTL=243
Reply from 54.239.55.76: bytes=32 time=65ms TTL=243
```

Reply from 54.239.55.76: bytes=32 time=64ms TTL=243

Ping statistics for 54.239.55.76:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 64ms, Maximum = 66ms, Average = 65ms

PS D:\coursera\design-secure-networked-systems\week1> ping rds.eu-west-1.amazonaws.com

Pinging rds.eu-west-1.amazonaws.com [54.239.39.72] with 32 bytes of data:

Reply from 54.239.39.72: bytes=32 time=97ms TTL=238

Reply from 54.239.39.72: bytes=32 time=91ms TTL=238

Reply from 54.239.39.72: bytes=32 time=92ms TTL=238

Reply from 54.239.39.72: bytes=32 time=92ms TTL=238

Ping statistics for 54.239.39.72:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 91ms, Maximum = 97ms, Average = 93ms

PS D:\coursera\design-secure-networked-systems\week1>

PS D:\coursera\design-secure-networked-systems\week1> ping rds.eu-west-2.amazonaws.com

Pinging rds.eu-west-2.amazonaws.com [52.94.48.93] with 32 bytes of data:

Reply from 52.94.48.93: bytes=32 time=81ms TTL=240

Reply from 52.94.48.93: bytes=32 time=82ms TTL=240

Reply from 52.94.48.93: bytes=32 time=79ms TTL=240

Reply from 52.94.48.93: bytes=32 time=80ms TTL=240

Ping statistics for 52.94.48.93:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 79ms, Maximum = 82ms, Average = 80ms

PS D:\coursera\design-secure-networked-systems\week1>