THE DEVELOPER'S CONFERENCE

Trilha – DevOps Tools

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BSc. Sistemas de Informação


Verdaccio
THE DEVELOPER'S CONFERENCE
Free NPM Registry
AWS

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Luiz Filipe Machado Barni

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Agenda

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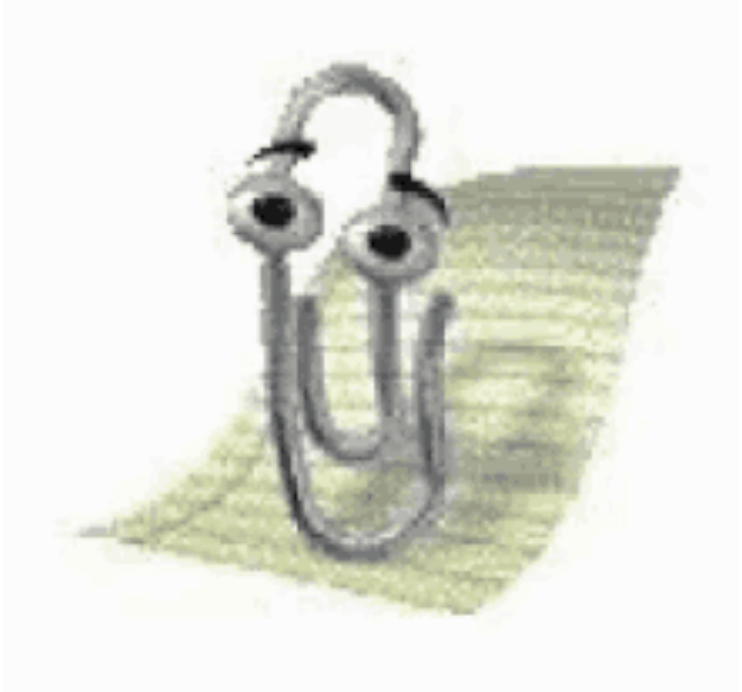
- Qual é o problema?
- A solução
- A ferramenta, Verdaccio
- Seu registro na cloud (AWS)
- Como configurar
- Perguntas?

…antes de tudo.




PD


#SpiderVerse


Verdaccio

O que o Verdaccio resolve?

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- **Depender** de um serviço CLI (*npmjs*)
- Suporte offline do *npmjs* **não cobre todos os casos**
- **Problemas de conectividade** te afetam
- **O preço** de serviços privados são incompatíveis
- **A segurança** em controlar a sua informação
- Usar os pacotes JS como **parte do seu negócio**
- **Conectar à múltiplos registros** de forma prática

Como posso usar o Verdaccio

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- Registro **privado**
- Proxy para **cache de pacotes** (testes, produção)
- Proxy para **rotear pacotes**
- Testar packaging em **mono-repos**
- **Backup** para integração continua
- Uso **local** (cache, multi-registry targeting)
- **Ensino** (publicar demos, NodeSchool)
- **GitHub Actions**

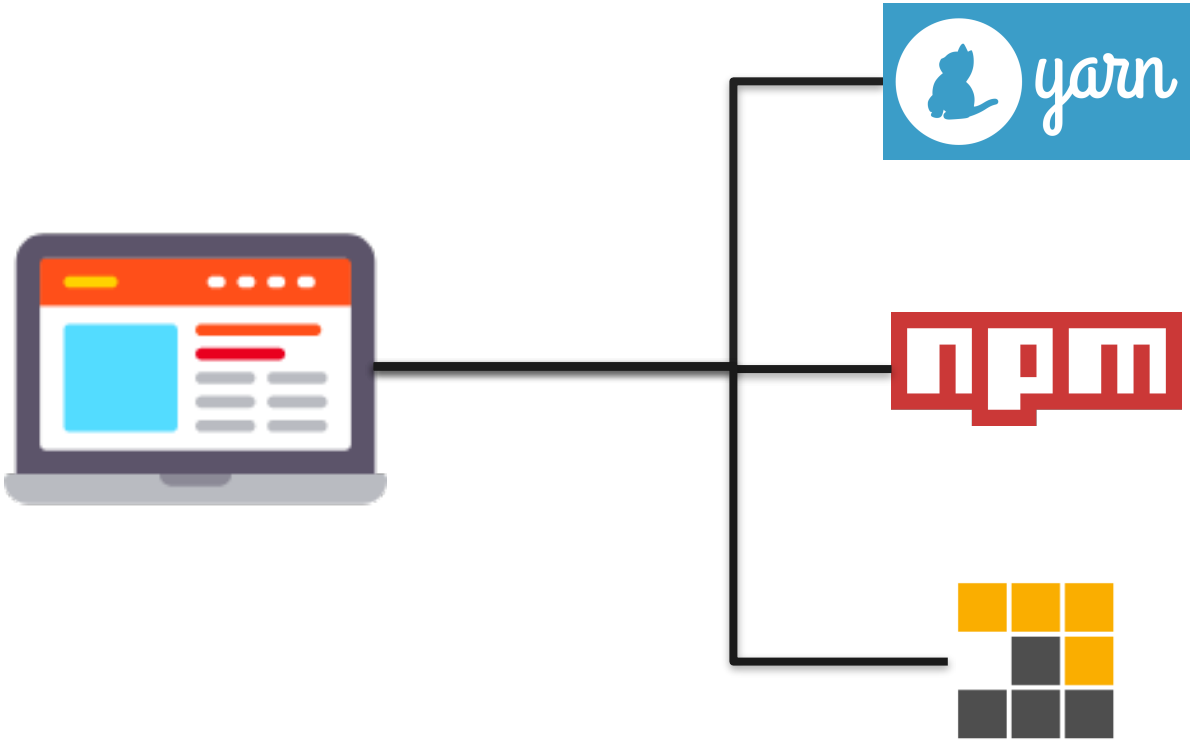

aws
npm
yarn


Servers
Mobile Development
Networking
amazon web services
Security
Storage
Email
Mobile
Remote Computing

MINDMAJIX

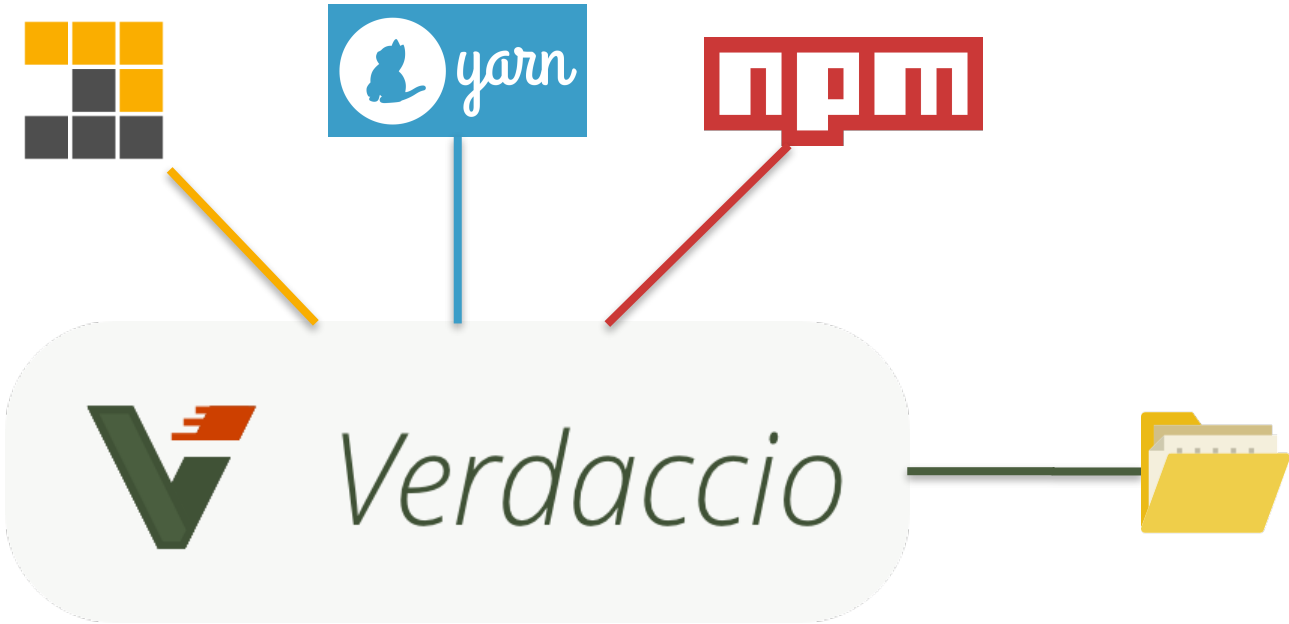

Verdaccio
AWS

Estrutura da solução na cloud

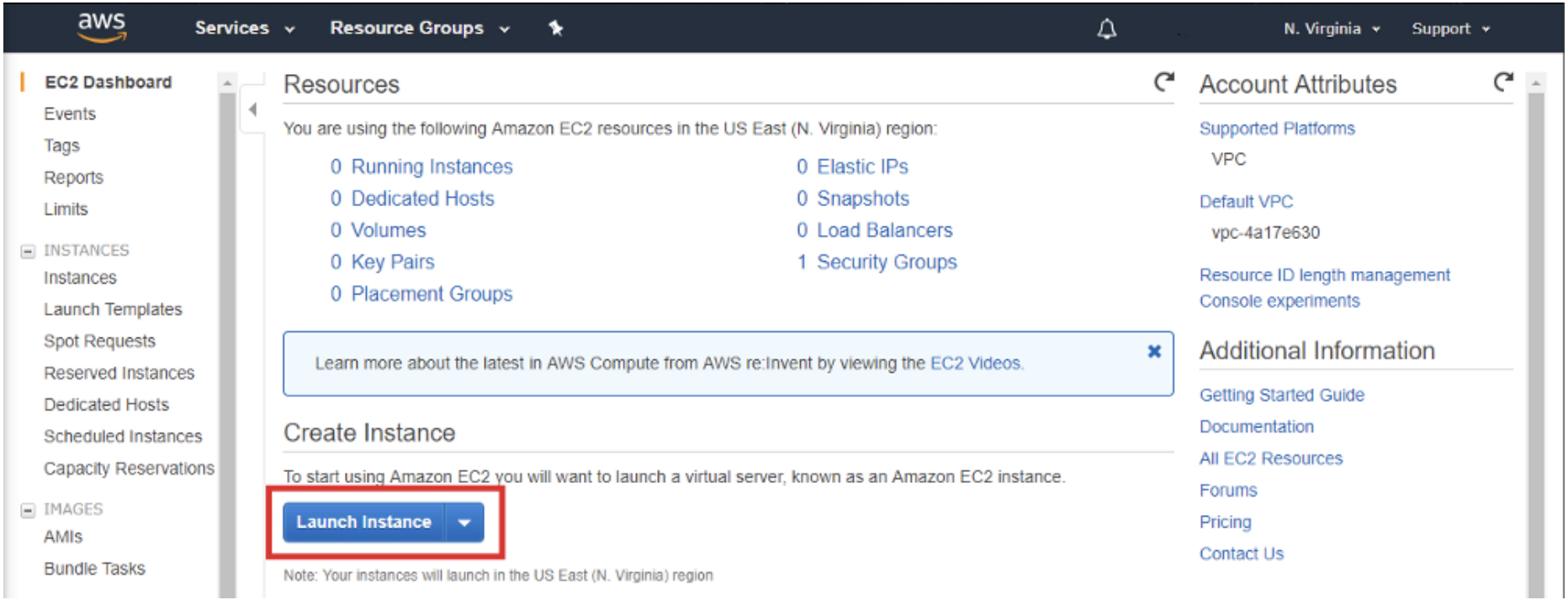

yarn
npm

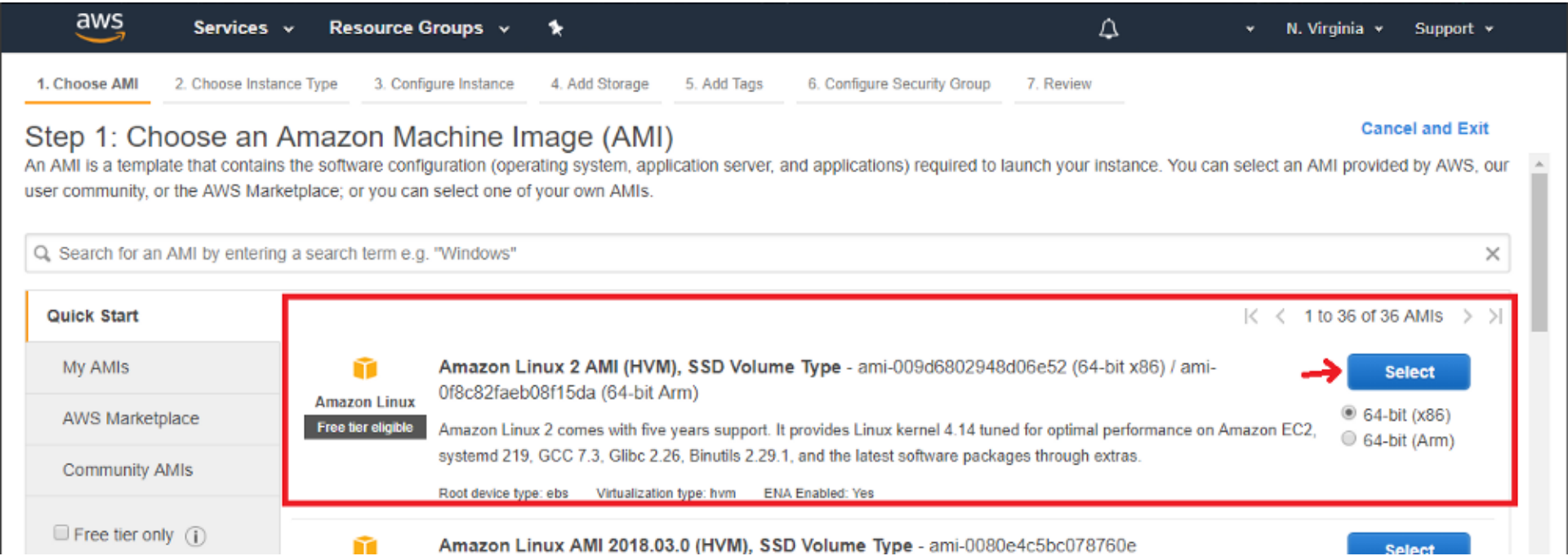
Alternativamente, temos o S3:

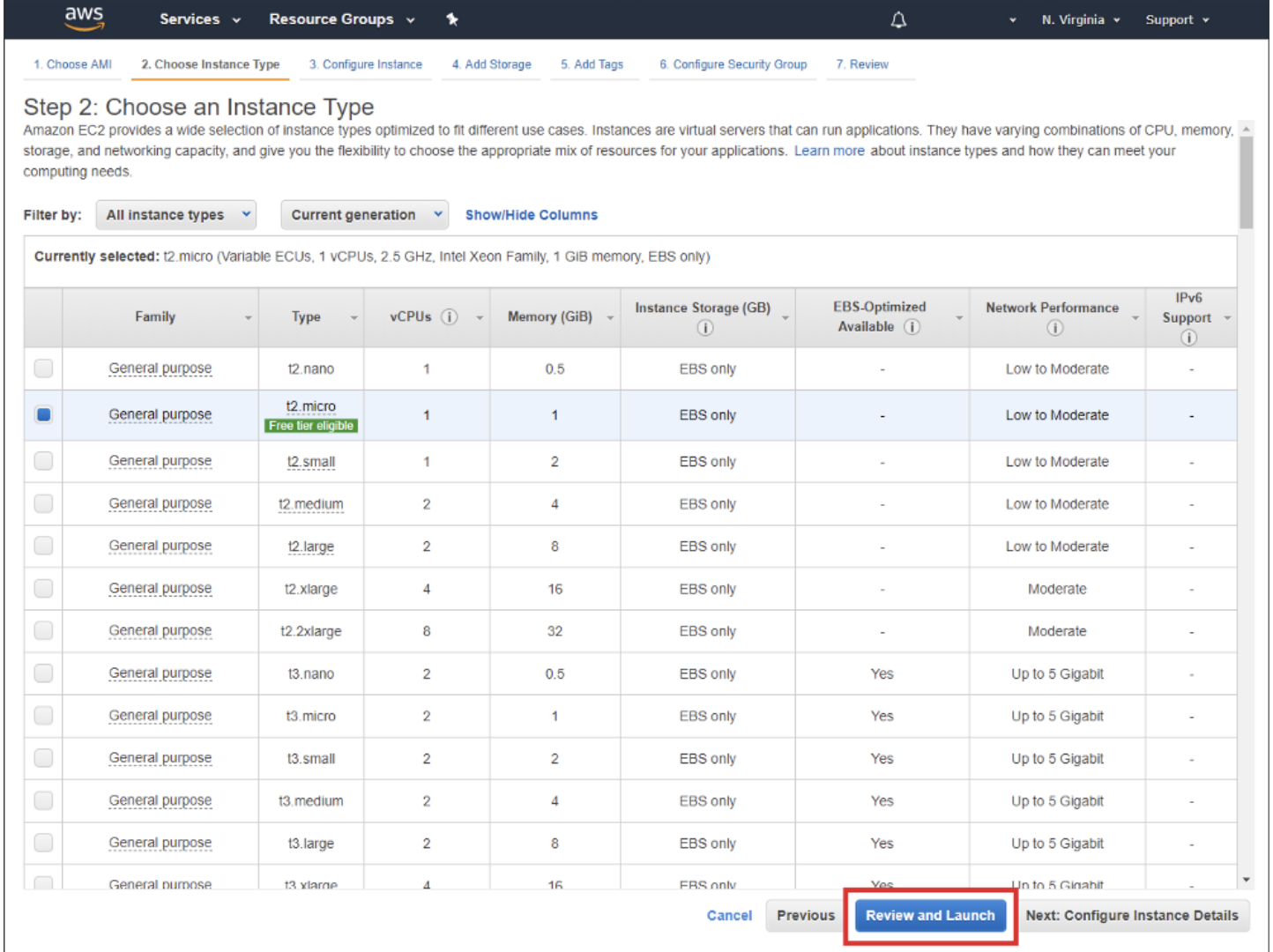
```
store:
  s3-storage:
    bucket: your-s3-bucket
    keyPrefix: some-prefix
    region: us-west-2
    endpoint: https://{service}.{region}.amazonaws.com specified
    s3ForcePathStyle: false
```


yarn
npm
Verdaccio

Let’s ~~code~~ config


aws
Services
Resource Groups
N. Virginia
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
Resources
You are using the following Amazon EC2 resources in the US East (N. Virginia) region:
0 Running Instances
0 Dedicated Hosts
0 Volumes
0 Key Pairs
0 Placement Groups
0 Elastic IPs
0 Snapshots
0 Load Balancers
1 Security Groups
Learn more about the latest in AWS Compute from AWS re:Invent by viewing the EC2 Videos.
Create Instance
To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.
Launch Instance
Note: Your instances will launch in the US East (N. Virginia) region
Account Attributes
Supported Platforms
VPC
Default VPC
vpc-4a17e630
Resource ID length management
Console experiments
Additional Information
Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us


aws
Services
Resource Groups
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.
Search for an AMI by entering a search term e.g. "Windows"
Quick Start
My AMIs
AWS Marketplace
Community AMIs
Free tier only
1 to 36 of 36 AMIs
Amazon Linux
Free tier eligible
Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-009d6802948d06e52 (64-bit x86) / ami-0f8c82faeb08f15da (64-bit Arm)
Select
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, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
64-bit (x86)
64-bit (Arm)
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0080e4c5bc078760e
Select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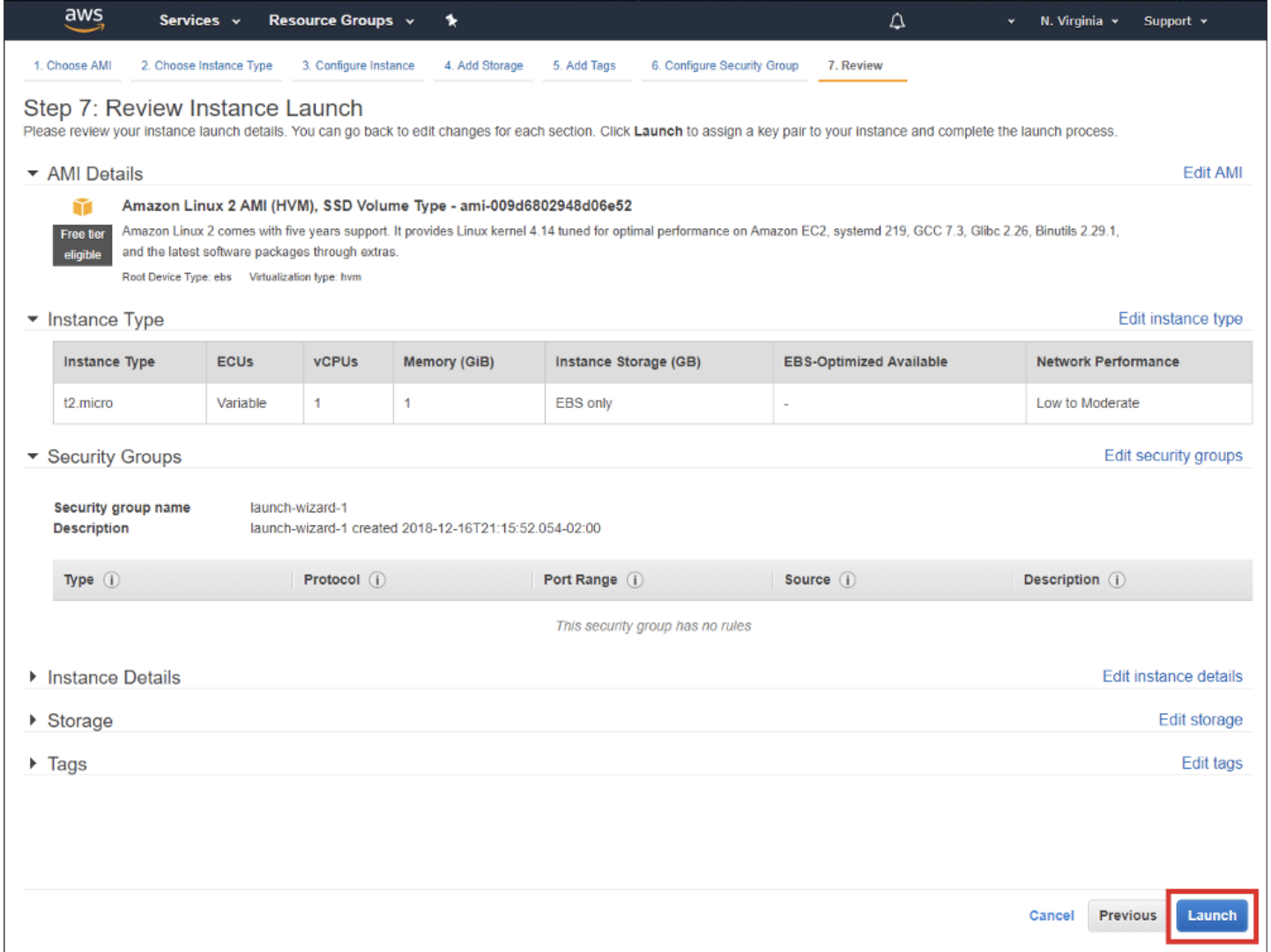
7. Review
Step 2: Choose an Instance Type
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance types
Current generation
Show/Hide Columns
Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
IPv6 Support
General purpose t2.nano 1 0.5 EBS only - Low to Moderate -
General purpose t2.micro Free tier eligible 1 1 EBS only - Low to Moderate -
General purpose t2.small 1 2 EBS only - Low to Moderate -
General purpose t2.medium 2 4 EBS only - Low to Moderate -
General purpose t2.large 2 8 EBS only - Low to Moderate -
General purpose t2.xlarge 4 16 EBS only - Moderate -
General purpose t2.2xlarge 8 32 EBS only - Moderate -
General purpose t3.nano 2 0.5 EBS only Yes Up to 5 Gigabit -
General purpose t3.micro 2 1 EBS only Yes Up to 5 Gigabit -
General purpose t3.small 2 2 EBS only Yes Up to 5 Gigabit -
General purpose t3.medium 2 4 EBS only Yes Up to 5 Gigabit -
General purpose t3.large 2 8 EBS only Yes Up to 5 Gigabit -
General purpose t3.xlarge 4 16 EBS only Yes Up to 5 Gigabit -
Cancel
Previous
Review and Launch
Next: Configure Instance Details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6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You 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-009d6802948d06e52
Free tier eligible
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, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Root Device Type: ebs Virtualization type: hvm
Instance Type
Edit instance type
Instance Type | ECUs | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance
t2.micro | Variable | 1 | 1 | EBS only | - | Low to Moderate
Security Groups
Edit security groups
Security group name launch-wizard-1
Description launch-wizard-1 created 2018-12-16T21:15:52.054-02:00
Type | Protocol | Port Range | Source | Description
This security group has no rules
Instance Details
Edit instance details
Storage
Edit storage
Tags
Edit tags
Cancel
Previous
Launch

```
$ ssh ec2-user@<EC2_IPV4> -i <PATH_TO_PEM>
```

```
$ wget -qO- https://raw.githubusercontent.com/creationix/nvm/v0.33.11/install.sh | bash
```

```
$ nvm install node
```

```
$ npm install -g verdaccio pm2
```

```
$ npm set registry http://localhost:4873
$ npm set ca null
```

```
$ verdaccio
```

```
$ vim .config/verdaccio/config.yaml
```

```
listen:
  - 0.0.0.0:4873
```

```
$ pm2 start verdaccio
```

```
$ npm set always-auth true
$ npm adduser
```

Create Security Group

Security group name my-verdaccio-ec2-sg

Description Security group created to the Verdaccio instance.

VPC vpc-0b92f86c (default)

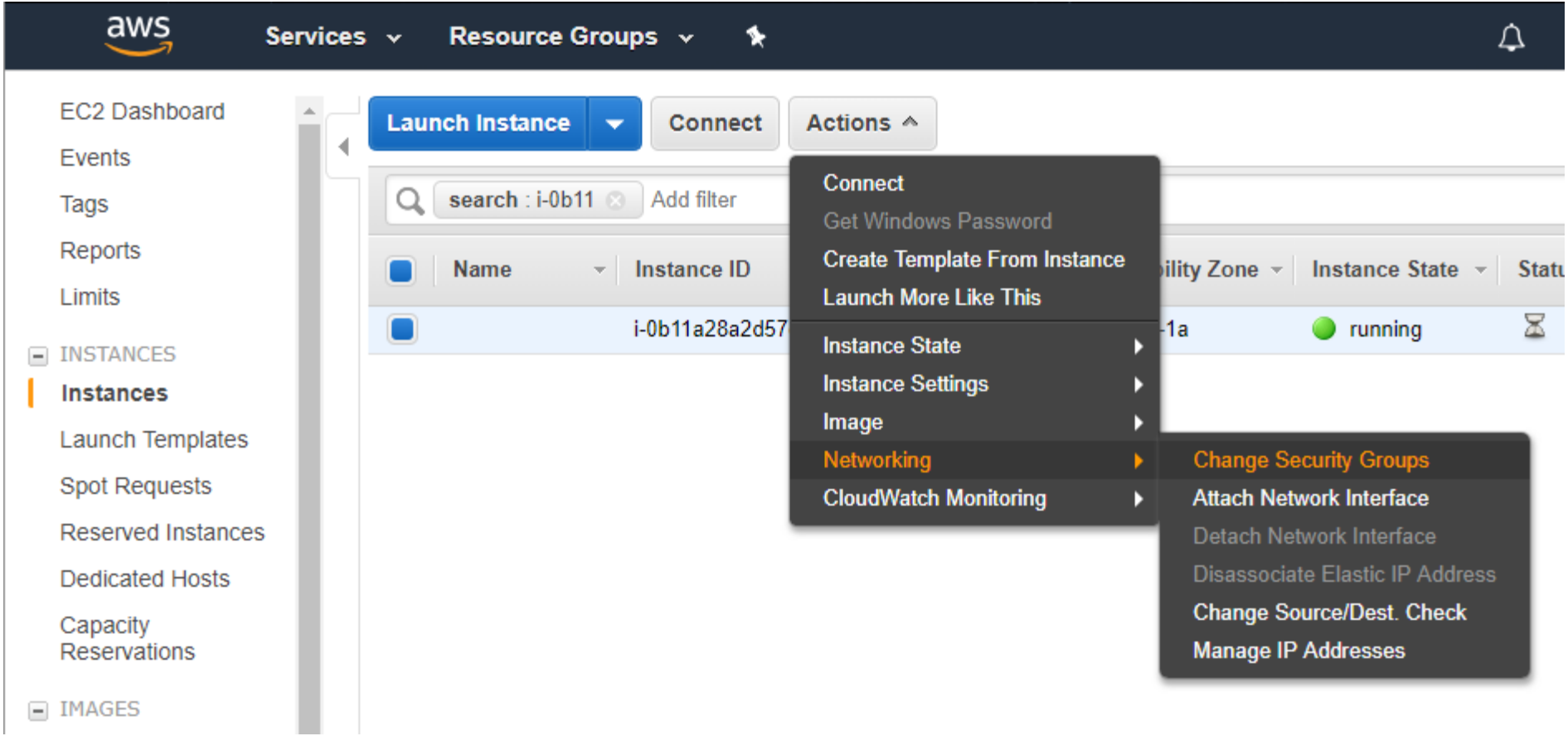
Security group rules:

Inbound | Outbound

Type	Protocol	Port Range	Source		Description
Custom TCP R	TCP	80	Anywhere	0.0.0.0/0, ::/0	e.g. SSH for Admin D
Custom TCP R	TCP	443	Anywhere	0.0.0.0/0, ::/0	e.g. SSH for Admin D
SSH	TCP	22	Custom	0.0.0.0/0	e.g. SSH for Admin D

Add Rule

Cancel Create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INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
Capacity Reservations
IMAGES
Launch Instance
Connect
Actions
search : i-0b11
Add filter
Name
Instance ID
Instance State
running
Connect
Get Windows Password
Create Template From Instance
Launch More Like This
Instance State
Instance Settings
Image
Networking
CloudWatch Monitoring
Change Security Groups
Attach Network Interface
Detach Network Interface
Disassociate Elastic IP Address
Change Source/Dest. Check
Manage IP Addresses

Change Security Groups

Instance ID: i-0b11a28a2d57e9028
Interface ID: eni-093337e709e7658a7

Select Security Group(s) to associate with your instance

	Security Group ID	Security Group Name	Description
☐		default	default VPC security group
☐			
☐			
☐			
☑	sg-05000e4a2f05f94fa	my-verdaccio-ec2-sg	Security group created to the Verdaccio instance.

Cancel

Assign Security Groups

```
$ npm set registry http://<YOUR EC2 INSTANCE IPV4>
```

exit_

Verdaccio

Artigo com implementação passo-a-passo

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That's all folks!