

## Opening Ports on your Server

We need to make some changes to the security on our server to allow HTTP and TCP access. From the EC2 Dashboard (<https://console.aws.amazon.com/ec2>), look for Security groups in the bottom pane. to see which security group your instance is assigned to. You can also see it by scrolling over to the right in the top pane.

The screenshot shows the AWS EC2 console. At the top, there is a table of instances with columns: Public DNS, Public IP, Key Name, Monitoring, Launch Time, and Security Groups. The 'Security Groups' column for the first instance is circled in red. Below the table, the details for instance i-Oe3186ff are shown. The 'Security groups' field is circled in red and shows 'launch-wizard-5' with a 'view rules' link.

Public DNS	Public IP	Key Name	Monitoring	Launch Time	Security Groups
		al-ami	disabled	January 24, 2015 6:53:42 P...	launch-wizard-5
		server-key	disabled	January 24, 2015 3:57:18 P...	launch-wizard-2

Instance: i-Oe3186ff Private IP: 172.31.62.70

Description | Status Checks | Monitoring | Tags

Instance ID	i-Oe3186ff	Public DNS	-
Instance state	stopped	Public IP	-
Instance type	t2.micro	Elastic IP	-
Private DNS	ip-172-31-62-70.ec2.internal	Availability zone	us-east-1a
Private IPs	172.31.62.70	Security groups	launch-wizard-5. view rules
Secondary private IPs		Scheduled events	-

In the left pane, under Network & Security, click Security Groups.

The screenshot shows the AWS console navigation pane. The 'Security Groups' link under the 'NETWORK & SECURITY' section is circled in red.

- EC2 Dashboard
- Events
- Tags
- Reports
- Limits
- INSTANCES
  - Instances
  - Spot Requests
  - Reserved Instances
- IMAGES
  - AMIs
  - Bundle Tasks
- ELASTIC BLOCK STORE
  - Volumes
  - Snapshots
- NETWORK & SECURITY
  - Security Groups
  - Elastic IPs
  - Placement Groups

Select the security group you identified above, and then click on the **Inbound** tab. Note that only port 22 is open by default. Click the **Edit** button.

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name	Group ID	Group Name	VPC ID
<input type="checkbox"/>		sg-10b97074	default	vpc-96ec8ff3
<input type="checkbox"/>		sg-27538c43	launch-wizard-4	vpc-96ec8ff3
<input type="checkbox"/>		sg-9bcd07ff	launch-wizard-3	vpc-96ec8ff3
<input checked="" type="checkbox"/>		sg-a7538cc3	launch-wizard-5	vpc-96ec8ff3
<input type="checkbox"/>		sg-a8d51ecc	launch-wizard-1	vpc-96ec8ff3
<input type="checkbox"/>		sg-c49359a0	launch-wizard-2	vpc-96ec8ff3

Security Group: sg-a7538cc3

Description **Inbound** Outbound Tags

**Edit**

Type	Protocol	Port Range
SSH	TCP	22

We're going to enable HTTP port 80, and TCP port 8080. Click **Add Rule**.

**Edit inbound rules** [X]

Type	Protocol	Port Range	Source
SSH	TCP	22	Anywhere 0.0.0.0/0

**Add Rule** Cancel Save

Add the two rules shown here, and then click **Save**.

### Edit inbound rules ✕

Type <small>i</small>	Protocol <small>i</small>	Port Range <small>i</small>	Source <small>i</small>	
SSH ▾	TCP	22	Anywhere ▾ 0.0.0.0/0	✕
HTTP ▾	TCP	80	Anywhere ▾ 0.0.0.0/0	✕
Custom TCP Rule ▾	TCP	8080	Anywhere ▾ 0.0.0.0/0	✕

In your node server script, make sure you're listening on port 8080.