



# **InstaDEX Master Wallet and Masternode Deployment Guide with Windows VPS**

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## **Requirements:**

- Windows VPS
- Local computer with Windows or Mac for Master(cold) Wallet
- 10000 InstaDEX coins



## Setting up Windows VPS on Amazon AWS:

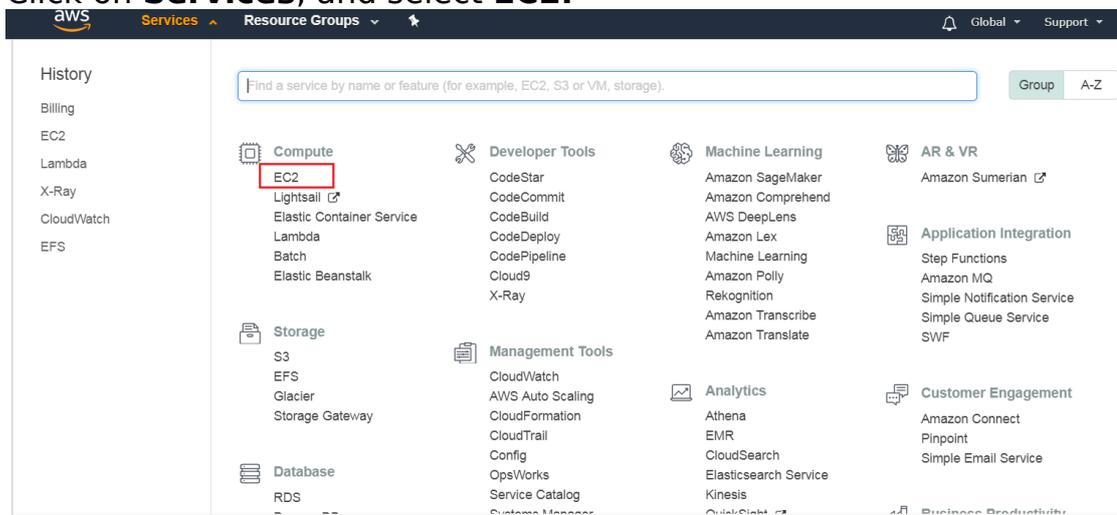
In the guide we use Amazon AWS as an example, it offers a 12-months free tier, with 750 hours of free EC2 instances every month.

Register an account with AWS: <https://aws.amazon.com/>

After registration, register a credit card on your account, this can be done through [**My Account**→**Payment Methods**] page.

After bank card has been added please wait for 24 hour before proceeding to further steps. This is mandatory, as Amazon will then verify your account. After your account is validated, you will now have access to AWS services.

Click on **Services**, and select **EC2**.



Click on **Launch Instance** button:  
Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.



On the new page you will be requested to select operation system to be used with the instance, in our guide we select **Microsoft Windows Server 2016 Base**





## Ensure that **t2.micro instance** is selected to be eligible for Free tier, then click on **Review and Launch**

### 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
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes

## On the review page click on **Edit Security Groups** link:

### 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](#)

Microsoft Windows Server 2016 Base - ami-79607b1d  
Free tier eligible  
Microsoft Windows 2016 Datacenter edition, [English]  
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 2018-01-22T20:39:32.070+10:00

Type	Protocol	Port Range	Source	Description

## Click on **Add Rule** button

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

**Add Rule**

## Type value **8889** in **Port** and select Anywhere in **Source** fields:

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
Custom TCP	TCP	8889	Anywhere 0.0.0.0, ::/0	InstaDEX

**Add Rule**

## Next, click **Review and Launch**



On final page click **Launch**

### Step 7: Review Instance Launch

Description launch-wizard-1 created 2018-08-22T12:05:02.879+10:00

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
RDP	TCP	3389	0.0.0.0/0	
Custom TCP Rule	TCP	8889	0.0.0.0/0	InstaDEX
Custom TCP Rule	TCP	8889	:::0	InstaDEX

Instance Details Edit instance details

Cancel Previous Launch

You will be requested to create new or select existing key pair, it is required to obtain system password in order to be able to log in. **Create new pair** by providing a name and downloading PEM file. Store file in secure location, it is required to obtain Administrator password.

### Select an existing key pair or create a new key pair ✕

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair ▼

**Key pair name**

VPS-keys

Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel Launch Instances



# Accessing your Windows VPS on Amazon AWS

- Log in to Amazon AWS console using <https://console.aws.amazon.com/>
- Click **Services**, then click **EC2**
- Click on **Instances** on the left pane, wait until **Instance State** changes to **running**, note Public IP address of the instance

The screenshot shows the AWS Management Console interface for an EC2 instance. The instance is in a 'running' state, and the public IP address is 35.176.187.141. The instance type is t2.micro, and it is located in the eu-west-2 availability zone. The public DNS is ec2-35-176-187-141.eu-west-2.compute.amazonaws.com.

- Select running instance and click **Connect** button

The screenshot shows the AWS Management Console interface for the same EC2 instance. The 'Connect' button is highlighted, indicating that the user has selected the instance and is ready to connect.

- In pop-up window click **Download Remote Desktop File** and then click **Get Password** button, you will be presented with a dialog, please choose **PEM** file you downloaded previously and click **Decrypt Password**:

The first screenshot shows the 'Connect To Your Instance' dialog box. It provides the following details for connecting to the instance:

- Public DNS: ec2-35-176-187-141.eu-west-2.compute.amazonaws.com
- User name: Administrator
- Password: (masked)

The second screenshot shows the 'Connect To Your Instance > Get Password' dialog box. It prompts the user to specify the path to the Key Pair file (1up-windows.pem) and provides a text area for the password. The 'Decrypt Password' button is highlighted.

Password will be in clear text, please note it and save in secure place:



### Connect To Your Instance

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download Remote Desktop File](#)

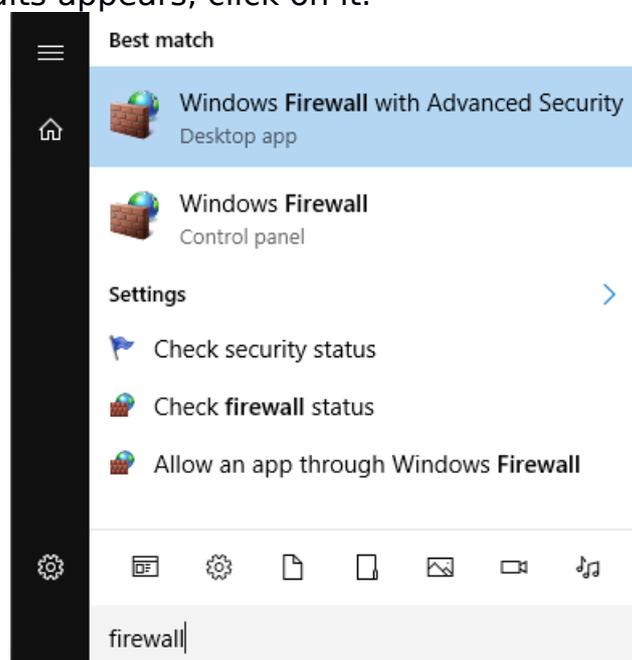
When prompted, connect to your instance using the following details:

**Public DNS** ec2-35-176-187-141.eu-west-2.compute.amazonaws.com  
**User name** Administrator  
**Password** [REDACTED]

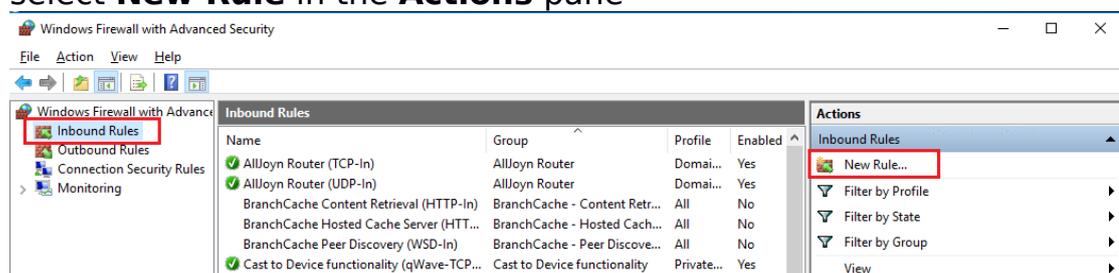
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.  
If you need any assistance connecting to your instance, please see our [connection documentation](#).

[Close](#)

- Login to the Instance as an Administrator using downloaded RDP file and provided password
- Once you are connected inside your VPS, press **Win** button and type **Firewall**, wait until Windows Firewall with Advanced Security in the search results appears, click on it.



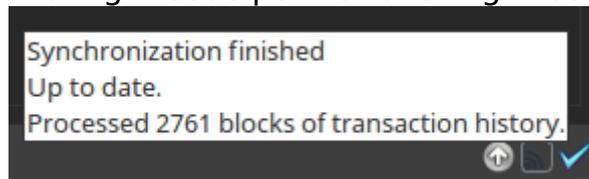
- In appeared window click on **Inbound rules** on the left pane, then select **New Rule** in the **Actions** pane





There will be several steps to get through, please create rule using provided information:

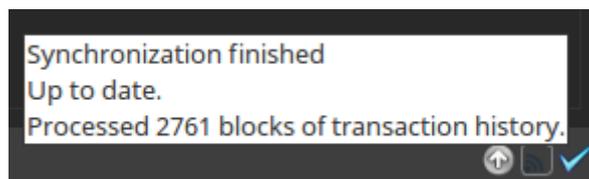
1. Step **Rule Type**: select **Port**
  2. Step **Protocols and Ports**: select **TCP**, Specific local port set to **8889**
  3. Step **Action**: select **Allow the connection**
  4. Step **Profile**: leave as is
  5. Step **Name**: provide rule name i.e. InstaDEX-daemon-access
- Next download Windows wallet from:  
Windows  
wallet: <https://cdn.discordapp.com/attachments/460980154550976523/481169170457690143/instadex-qt-1003.zip>  
Unzip wallet, place it on your Desktop and start it
  - Start InstaDEX Wallet, wait until it syncs to the network, you can check it by hovering mouse pointer over right bottom icons:



- At this point master(cold) wallet needs to be configured on **Local PC**, after that Masternode configuration can be completed.

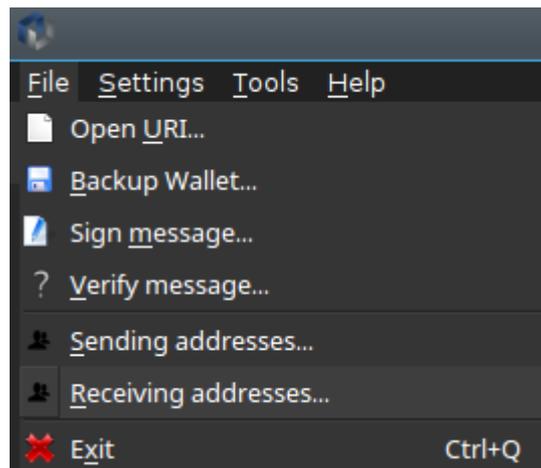
## Configuring the master(cold) wallet on Local PC:

- Download InstaDEX Wallet version for your system  
Windows  
wallet: <https://cdn.discordapp.com/attachments/460980154550976523/481169170457690143/instadex-qt-1003.zip>  
Mac Wallet: <https://s3.amazonaws.com/walletz/InstaDEX-Qt-1.0.0.3-MacOS.dmg>
- Restart InstaDEX Wallet, wait until it syncs to the network, you can check it by hovering mouse pointer over right bottom icons:

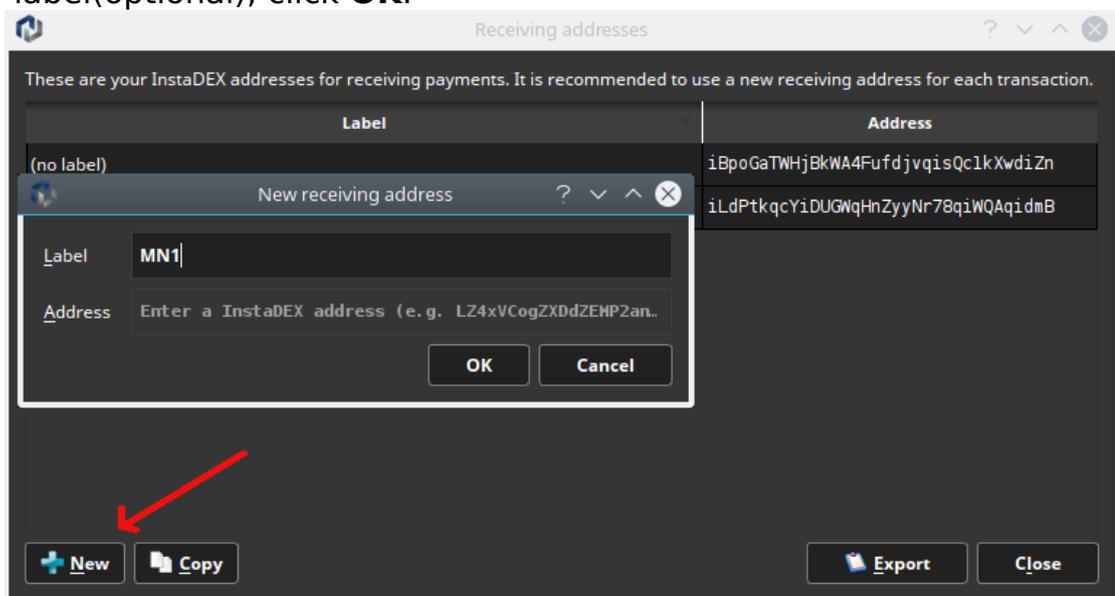




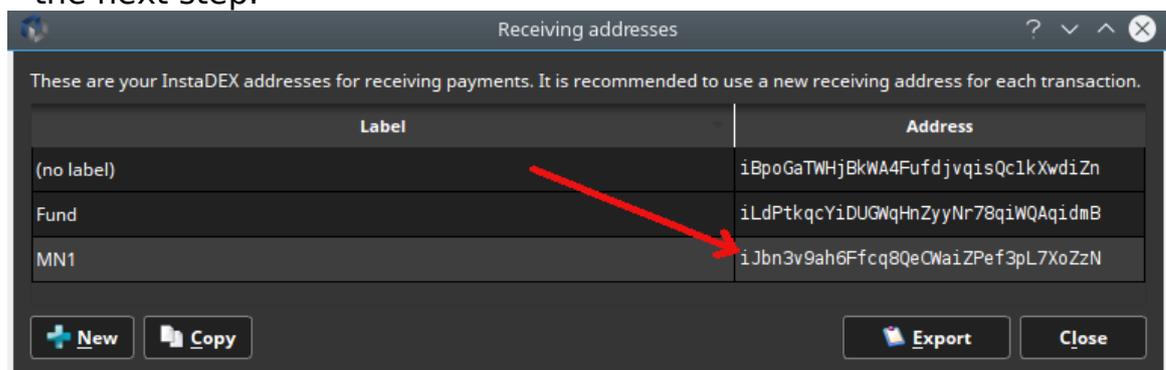
- Create/use address through [**File**→**Receiving addresses...**]



- To create new receiving address click **New**, then type in label(optional), click **OK**:

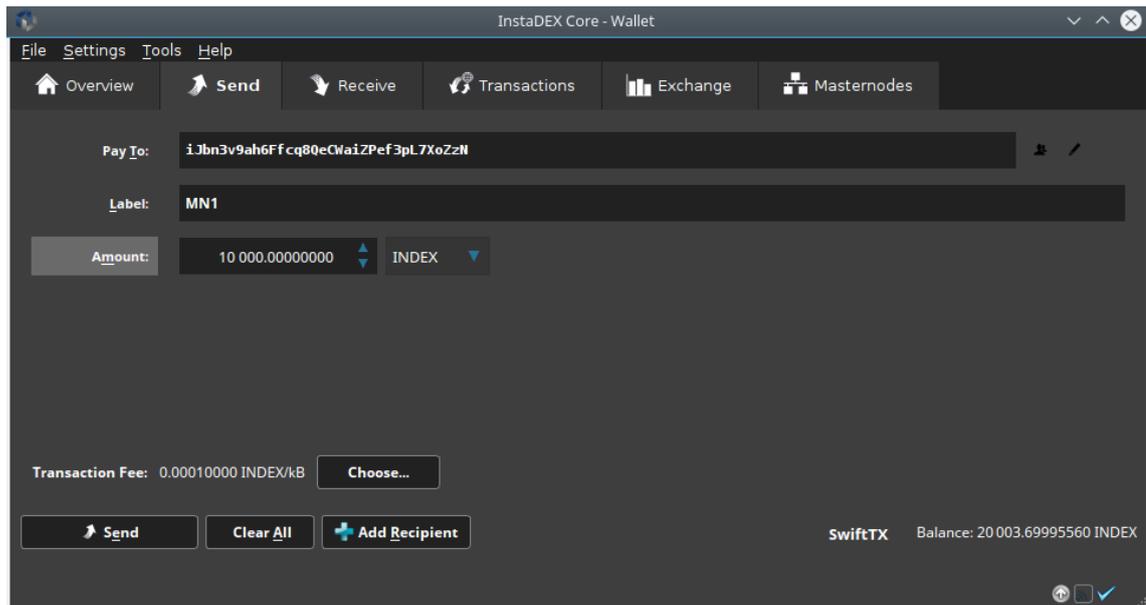


- You will use generated address to receive 10000 collateral coins in the next step:





- Go to the Send tab, in 'Pay to' insert generated above address, send 10000 coins as the amount. Then press Send button:



- Create a new text file, where you will store all the data for the Masternode.

You can use template below:

**MN Label:** <put here desirable MN name, i.e. MN1>

**Collateral Address:** <save here address from previous step for history>

**Masternode Privkey:** <Masternode Privkey to be generated in next steps>

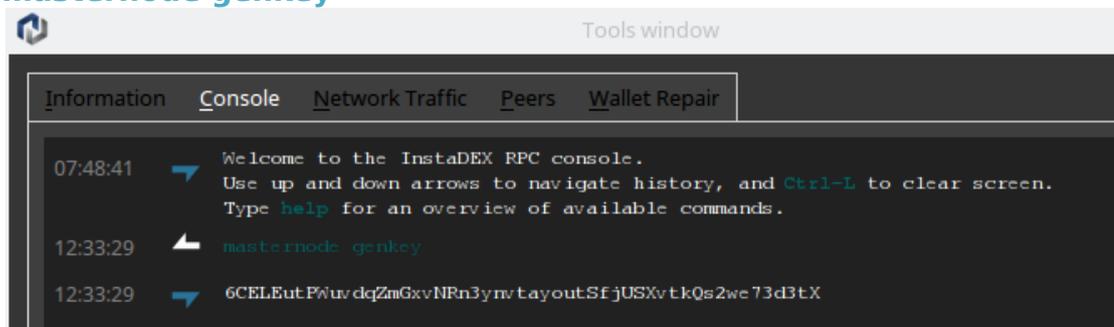
**Public IP:** <IP address of VPS server to be received in next steps>

**TX Hash:** <collateral transaction hash>

**TX ID:** <collateral transaction hash id>

- Open the debug console of the wallet [**Tools**→**Debug Console**] and enter this command:

**masternode genkey**



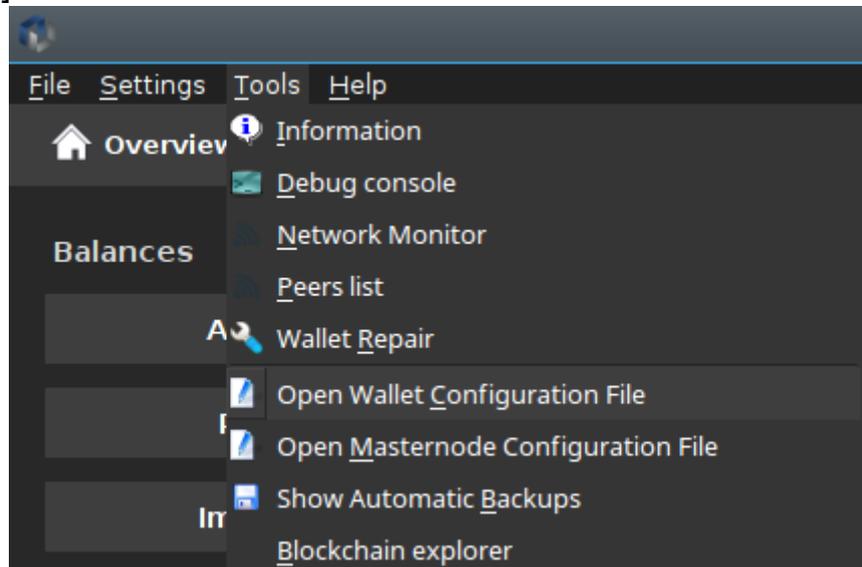
Copy that key and save it in your text file as **Masternode Privkey**





## Finishing InstaDEX Wallet configuration on Windows VPS

- Connect to Amazon AWS Windows Instance
- Open wallet configuration file [**Tools→Open Wallet Configuration File**]



- Add lines below replacing **<value>** with actual data from prepared text file:  
rpcuser=**<Use random username i.e. mn1-user>**  
rpcpassword=**<Use random password i.e. rV2(ciS21-pN >**  
rpcallowip=127.0.0.1  
listen=1  
server=1  
daemon=1  
logtimestamps=1  
maxconnections=256  
masternode=1  
masternodeaddr=**<Public VPS IP>:8889**  
masternodeprivkey=**<Masternode Privkey>**
- Restart InstaDEX wallet and wait until it fully synced
- On your **local**(cold) wallet open [**Tools→Debug Console**] and type in:  
**masternode start-all**
- Now Masternode is online, you can check its status on <http://index.mn.zone/>