

Prerequisites & Install Parameters

Prerequisites and installation parameters

Installation Prerequisites:

Required:

1. Valid email address:
2. You will receive a temporary password used to access your instance.
3. Amazon EC2 Public Key (InstanceKey)
4. . You must create or upload a key pair to your AWS account.<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html>
5. ARNCertificate:
6. You must create or import an ssl certificate to the AWS Certificate Manager service. This requires a registered domain name you can access.
8.
 - How to create a certificate <https://docs.aws.amazon.com/acm/latest/userguide/gs-acm-request-public.html>
9.
 - How to import an existing certificate <https://docs.aws.amazon.com/acm/latest/userguide/import-certificate.html>
10. *
11. Access to a full archive node running a blockchain with an EVM client
12. . The node will be connected during installation using the EthereumJsonRPC parameters. BlockScout currently supports [Geth](#)
13. , [Parity](#)
14. , [RSK](#)
15. and [Ganache](#)
16. .
17.
 - [Example Instructions on creating a local node are available here.](#)
18. *
19. .

Optional: Route traffic following deployment:

If you leave the `CognitoCallbackDomain` parameter blank during installation and want to use your own domain later, you will need to route traffic to the LoadBalancer and change the Cognito App client settings.

A) Re-route your DNS

- Example instruction to route traffic using Route 53: <https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-elb-load-balancer.html>
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B) Configure Cognito settings

- Change the callback URL(s) in client settings <https://docs.aws.amazon.com/cognito/latest/developerguide/cognito-user-pools-app-settings.html>
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AWS Installation:

See [Install from AWS Marketplace](#) for an installation walkthrough.

Installation Parameters:

Most parameters can be left as default during installation. For a full list of variables see the [ENV variables list](#) .

During configuration, the first item to input is Stack Name. This is an identifier that helps you find a particular stack from a list of stacks. It must start with an alphabetic character and can't be longer than 128 characters. The following parameters require a user-input value.

Parameter Value ARNCertificate SSL certificate from point 3 above. More information on certificates is available here: <https://docs.aws.amazon.com/acm/latest/userguide/acm-overview.html> Example: `arn:aws:acm:us-east-1:123456789012:certificate/1156aa0c-daa3-4cb1-af6d-6f16202ebf2c` CognitoCallbackDomain Add the domain(s) where you will access BlockScout and append `"/oauth2/idpresponse"` to the end. If you do not have a domain, leave this field blank . It will be populated with the LoadBalancerDNS created at the end of the process.

Example:https://your.domain/oauth2/idpresponse CognitoUserEmail Enter any valid email. You will receive a temporary password here after deployment.

Example:youremail@email.com DBPassword Add a secure password here for database access. Must contain only letters and numbers, and be 8 characters or more.Record this password for later access . EthereumJsonRPCHttpURL This is the node url used to fetch blocks, transactions, receipts & tokens. See the instructions on setting up a node on AWS for more information. If setup through AWS, you can find the address in EC2 Dashboard -> Instances -> click to corresponding archive node instance.

You will retrieve the ip address and add the port number afterwards. The port for Nethermind is 8545.

Example:http://node.ip.address:8545 EthereumJsonRPCTraceURL Input the same value as above. This is used to fetch internal transactions and block traces.

Example:http://node.ip.address:8545 EthereumJsonRPCWsURL The Network RPC endpoint in websocket mode. The default Nethermind port is 8545.

Example:ws://localhost:8545 GraphiQLTransaction Any transaction from the chain can be used. This hash provides a sample query in the GraphiQL Playground and always begins with "0x..."

Example:0x9415741aa80cacb3e2a9f48506010a3f31fddc7e7a00421381b4e4679d5eba20 IngressIPRangeLB IP address range for access to your LoadBalancer instance. Recommend using0.0.0.0/0 for access from all IPs, or specify your local IP withyour.ip/32 . You can find your ip here:<https://support.google.com/websearch/answer/1696588> InstanceKey From step 2 above. The instance key name is located at EC2 Dashboard -> Network & Security -> Key Pairs. It should be available as a dropdown in the template. SecretKeybase Secret key for production assets protection in base64. You can generate this on the command line of your local machine using the following command: "openssl rand -base64 16"

Example:d29vbmcY2hhaUNvaG5nGg== This instruction was moved from<https://forum.poa.network/t/aws-marketplace-installation/3076>

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