

Version: 4.0

AWS Marketplace Buyer Guide

v1.3





Revision History

Version	Date	Description	Author
1.0	2024.3.5	System version number: v4.0.49.1 Initial release	Mark Zhan, Fran Chen
1.1	2024.3.6	[Added] 1.2. Domain Settings - with AWS Route 53 7. Troubleshooting [Updated] 1.1. Preparing a Dedicated URL 1.1.2 -> 1.3. Domain Settings - with Third-Party Domain Providers 2.2. Search Results for digiRunner [Deleted] 1.1.1 Scenarios for Purchasing Domains	Mark Zhan, Fran Chen
1.2	2024.3.18	[Added] 5.1.1. Basic Reports 5.1.2. Detailed Reports 5.2.1. Architecture - digiRunner Lite 5.2.2. Architecture - digiRunner Lite (High Availability) 5.2.3. Architecture - digiRunner Enterprise 5.2.4. Architecture - digiRunner Enterprise (High Availability) [Updated] Renamed HA to High Availability 1.2. Domain Settings - with AWS Route 53 2.2. Search Results for digiRunner 2.3. digiRunner Products: Four Solutions Available 3.1. Region Setup 3.2. Installation Parameters: Revised wording 3.5. Completing Installation 4. digiRunner Login 5.1. digiRunner Detailed Reports 5.2. digiRunner Architecture 5.2.1. AWS Infrastructure -> merged and revised 6. Uninstallation	Mark Zhan, Fran Chen
1.3	2024.3.20	[Updated] 1.1. Preparing a Dedicated URL 3.3. Installation Permissions 3.5. Completing Installation 4. digiRunner Login 5.2.1. Architecture - digiRunner Lite 5.2.2. Architecture - digiRunner Lite (High Availability) 5.2.3. Architecture - digiRunner Enterprise 5.2.4. Architecture - digiRunner Enterprise (High Availability) 6. Uninstallation	Mark Zhan, Fran Chen

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1. Prerequisites

1.1. Preparing a Dedicated URL

You may prepare the dedicated URL with either AWS Route 53 or other domain providers, e.g., GoDaddy, etc.

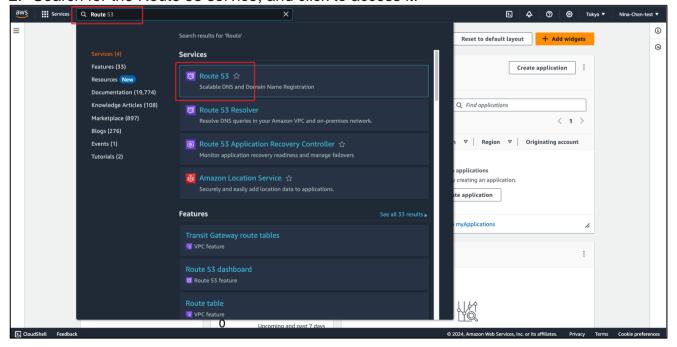
NOTE: If you already have a domain registered or hosted on Route 53, you can use the existing domain and skip the **Domain Settings** steps and proceed directly to **Purchase Procedure**.

1.2. Domain Settings - with AWS Route 53

1. Go to the AWS website, and click on **Sign in** to access the AWS Management Console. **NOTE:** If you do not have an AWS account, click on **Create an AWS Account** to register first.

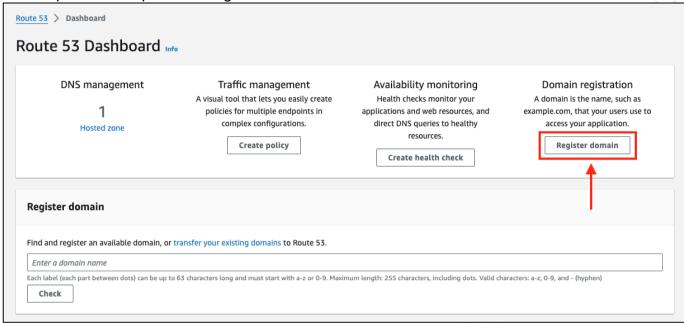


Search for the Route 53 service, and click to access it.





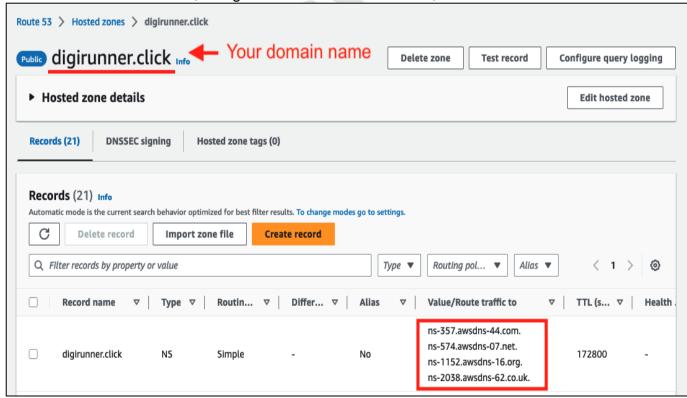
3. Click on **Register domain** to purchase and register the domain, and AWS will automatically complete the required settings.



1.3. Domain Settings - with Third-Party Domain Providers

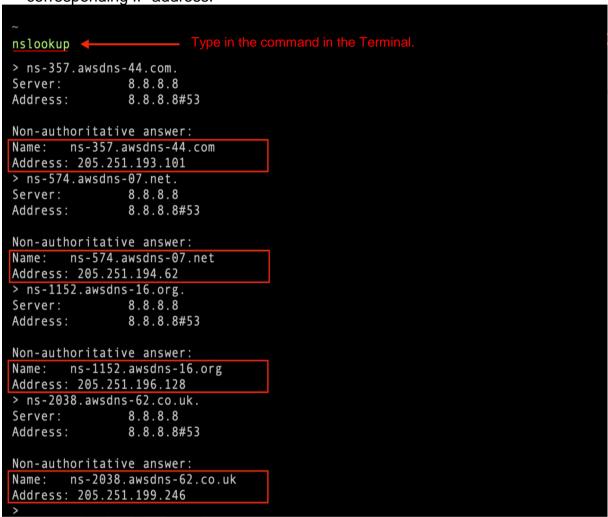
Purchase the domain from other domain providers, e.g., GoDaddy, etc., and follow the instructions below to complete the domain settings.

1. Go to the AWS website, navigate to the Route 53 service, and create a hosted zone.





- 2. Access your domain provider's platform (e.g., GoDaddy), set the URL to self-managed, and point it to AWS: ensure it corresponds to the four sets of Values in the Record Type="NS" in the Hosted Zone of Route 53.
- 3. To query the corresponding IP address, please follow the instructions below:
 - a. Open the Terminal or Command Prompt, type in 'nslookup', and press Enter.
 - b. Copy and paste the four groups of NS values and press **Enter** to view the corresponding IP address.

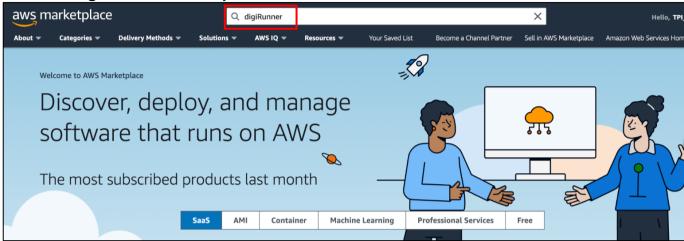




2. Purchase Procedure

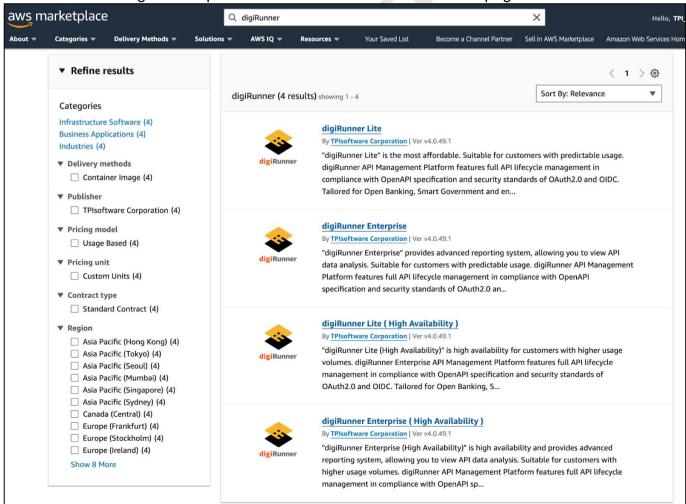
2.1. Searching for digiRunner

- 1. Access the AWS Marketplace at: https://aws.amazon.com/marketplace
- 2. Enter digiRunner in the keyword search field to search for it.



2.2. Search Results for digiRunner

You will find four digiRunner product solutions on the search results page.





2.3. digiRunner Products: Four Solutions Available

Comparison of Solutions:

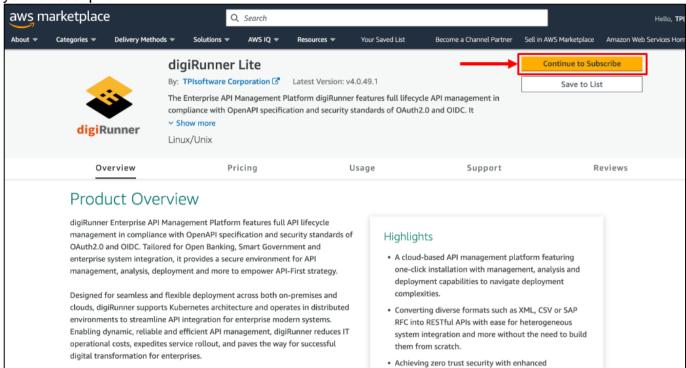
Solutions	Container Auto Scaling & High Availability	OpenSearch Detailed Reporting	Buyer Guide
digiRunner Lite	X	Х	Affordable
digiRunner Lite (High Availability)	0	Х	Moderate cost, high availability
digiRunner Enterprise	Х	0	Moderate cost, detailed reporting
digiRunner Enterprise (High Availability)	0	0	High cost, high availability and detailed reporting

digiRunner 💸				
Resource	Lite	Lite (High Availability)	Enterprise	Enterprise (High Availability)
CloudWatch	•	•	•	•
ALB	•	•	•	•
VPC (NAT Gateway)	•	•	•	•
Router 53		•	•	•
CloudMap	•	•	•	•
EventBridge	•	•	•	•
System Manager	•	•	•	•
ECS Fargate	•	•	•	•
ECS Fargate (Master)		•		•
OpenSearch			•	•



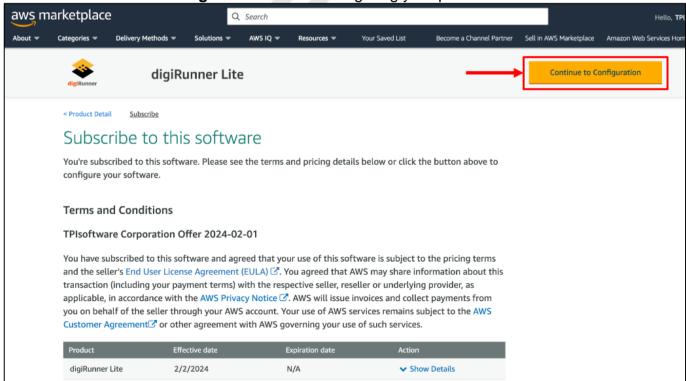
2.4. Subscribing to Products

Select one of the digiRunner product solutions and click on **Continue to Subscribe** to complete your subscription.



2.5. Configuring Products

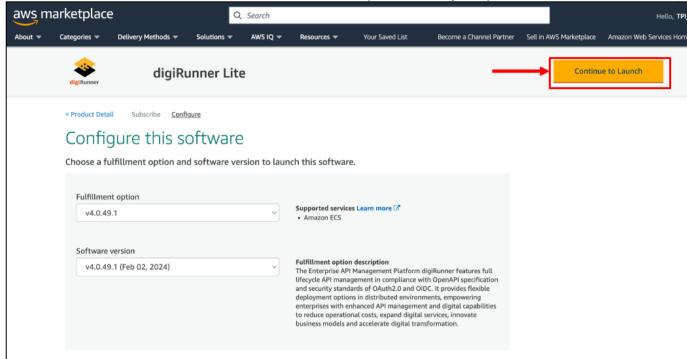
Click on **Continue to Configuration** to start configuring your product.





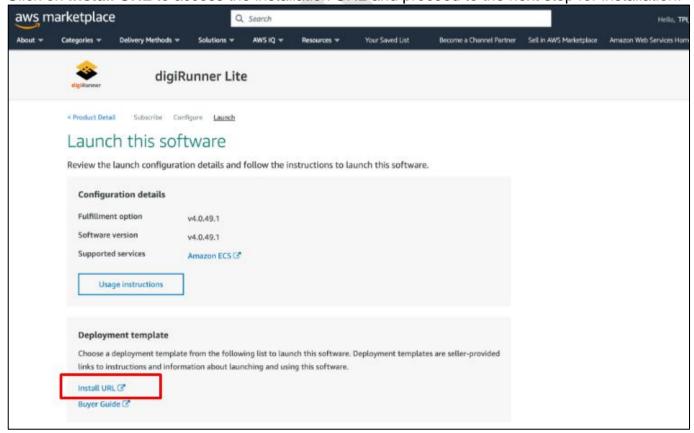
2.6. Launching Products

Click on **Continue to Launch** to initiate the launch process for your product.



2.7. Accessing Installation

Click on Install URL to access the installation URL and proceed to the next step for installation.



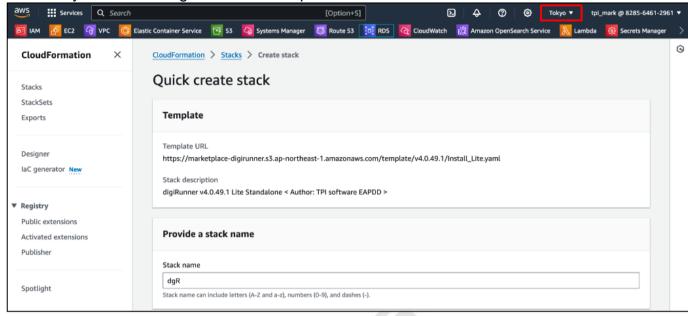


3. digiRunner Installation and Setup

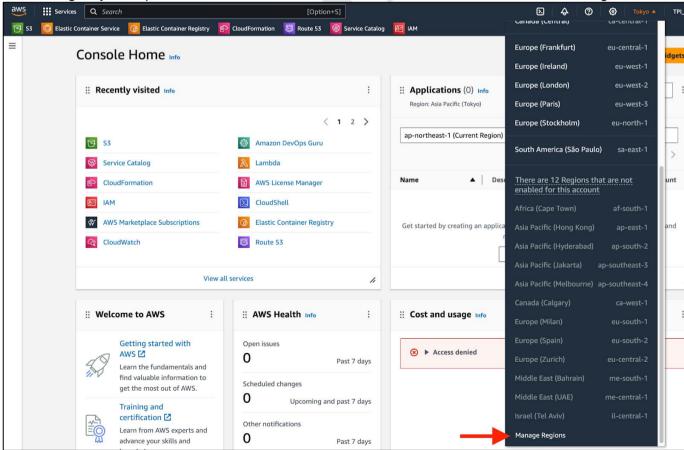
3.1. Region Setup

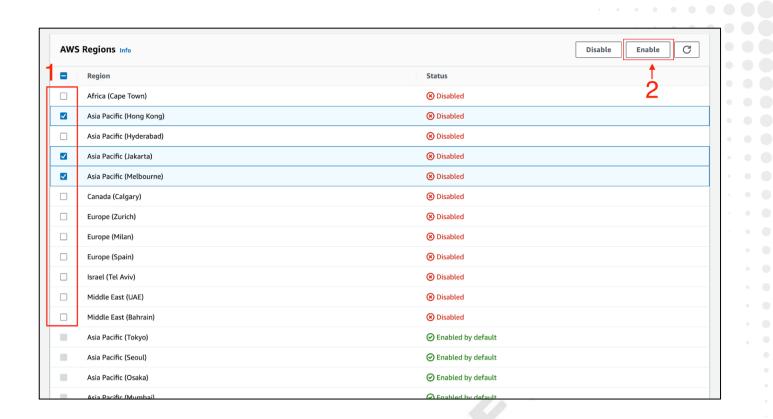
The default region is **Tokyo** (ap-northeast-1).

1. Select your desired region from the drop-down menu to customize it.



2. If the region you require is not enabled, follow instructsions below to enable the desired region.





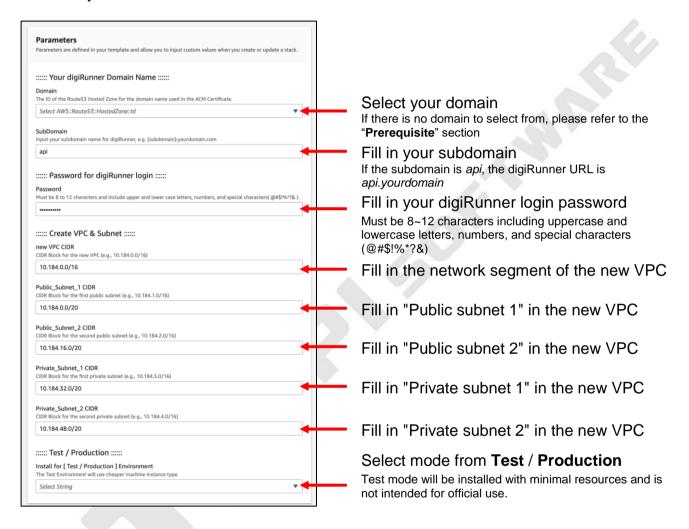


3.2. Installation Parameters

You may use the default installation parameters provided to configure the product.

NOTE: Conflicts may arise if your AWS network environment conflicts with the defaults, and the possible causes of conflict are as below.

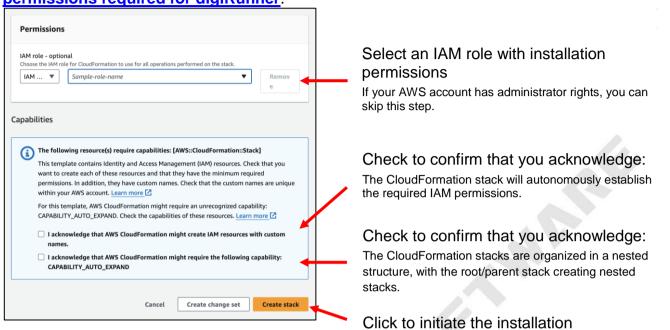
- 1. **VPC quota limit:** Ensure that your resource usage remains within the VPC quota limit. Refer to the <u>AWS documentation</u> for further details.
- 2. **Network segment conflict:** Please verify that the designated network segment is not already in use.



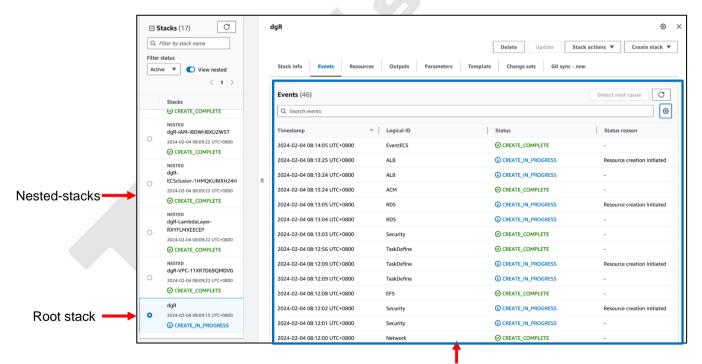


3.3. Installation Permissions

The AWS account or IAM role performing the installation **must be granted the least-privilege permissions required for digiRunner**.



3.4. Installation Process



Installation details, such as progress updates and the installation status, will be displayed in this section.

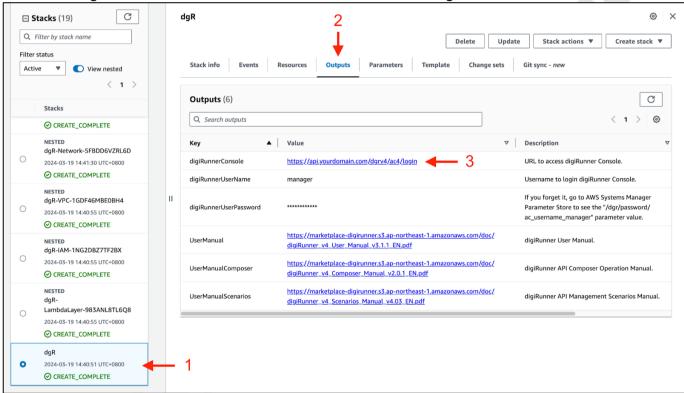


3.5. Completing Installation

The estimated installation times are as follows:

NOTE: Installation times may be longer than estimated if the AWS environment is unstable.

- digiRunner Lite: about 25 minutes
- digiRunner Lite (High Availability): about 35 minutes
- digiRunner Enterprise: about 35 minutes
- digiRunner Enterprise (High Availability): about 40 minutes
- 1. When the root stack shows 'CREATE_COMPLETE', indicating the installation is complete.
- 2. Click on Outputs.
- 3. Locate digiRunner Console URL, and click on the URL to log in.



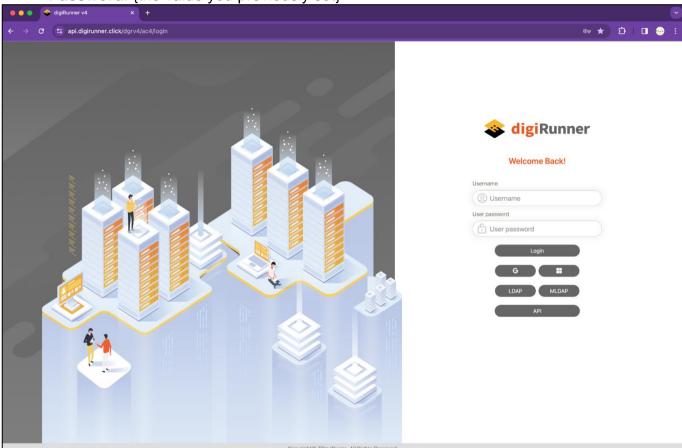
4. Refer to the table for digiRunner operation instructions.

Manual Title	Key	Link
digiRunner User Manual	UserManual	https://marketplace-digirunner.s3.ap-northeast- 1.amazonaws.com/doc/digiRunner_v4_User_Manual_ v3.1.1_EN.pdf
digiRunner API Composer Operation Manual	UserManualComposer	https://marketplace-digirunner.s3.ap-northeast- 1.amazonaws.com/doc/digiRunner_v4_Composer_Manual_v2.0.1_EN.pdf
digiRunner Scenarios Manual	UserManualScenarios	https://marketplace-digirunner.s3.ap-northeast- 1.amazonaws.com/doc/digiRunner_v4_Scenarios_Ma nual_v4.03_EN.pdf

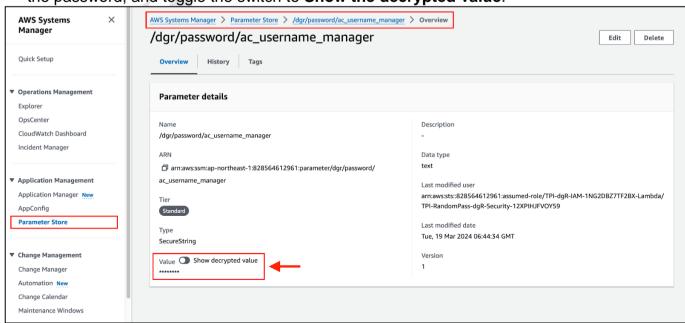


4. digiRunner Login

- 1. Log in with the default username and password:
 - Username: manager
 - Password: {the value you previously set}

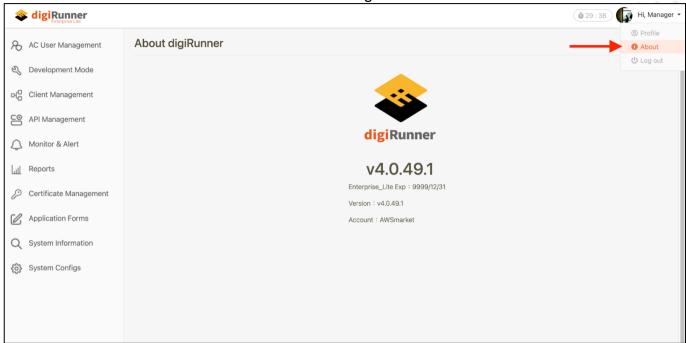


If you forget the password, go to AWS Systems Manager > Parameter Store >
 /dgr/password/ac_username_manager. Under the Overview tab, find the Value field for
 the password, and toggle the switch to Show the decrypted value.

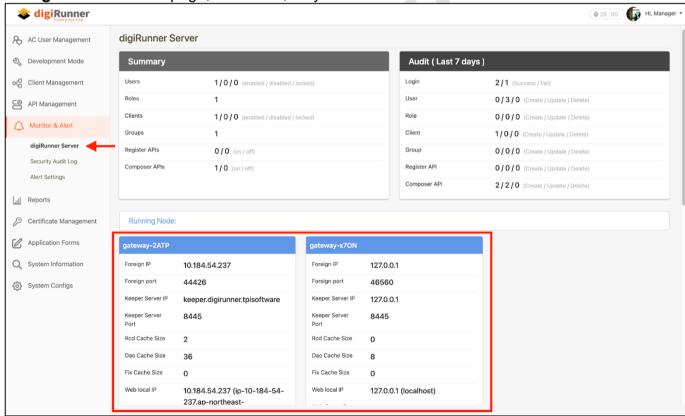




3. Click on About to view the version number of digiRunner.



 If the High Availability solutions are installed, multiple Containers will be displayed on the digiRunner Server page; otherwise, only one Container will be shown.



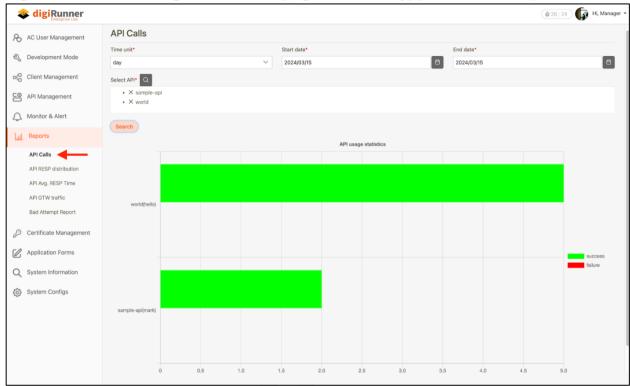


5. digiRunner Reports and Architecture

5.1. digiRunner Reports

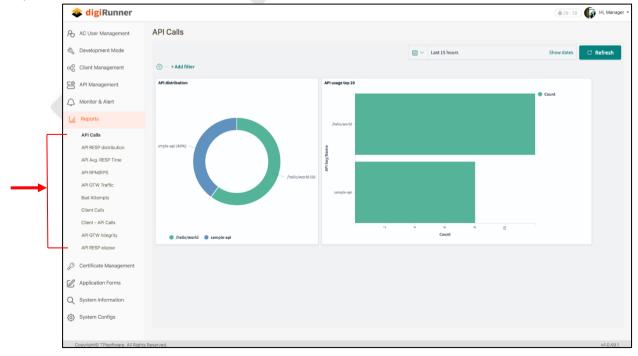
5.1.1. Basic Reports

digiRunner Lite and digiRunner Lite (High Availability) provide basic reports.



5.1.2. Detailed Reports

digiRunner Enterprise and digiRunner Enterprise (High Availability) provide detailed reports.

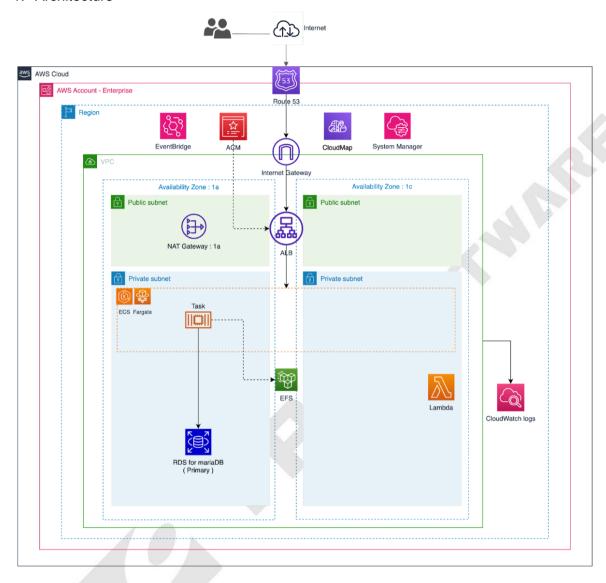




5.2. digiRunner Architecture

5.2.1. Architecture - digiRunner Lite

1. Architecture

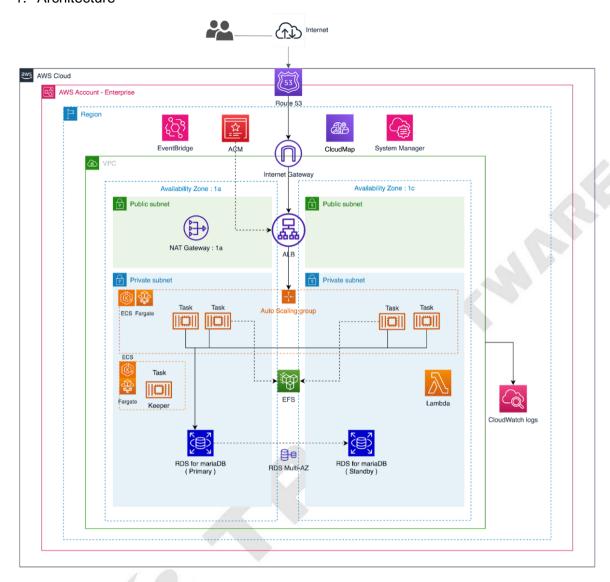


Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service - Fargate	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/



5.2.2. Architecture - digiRunner Lite (High Availability)

1. Architecture

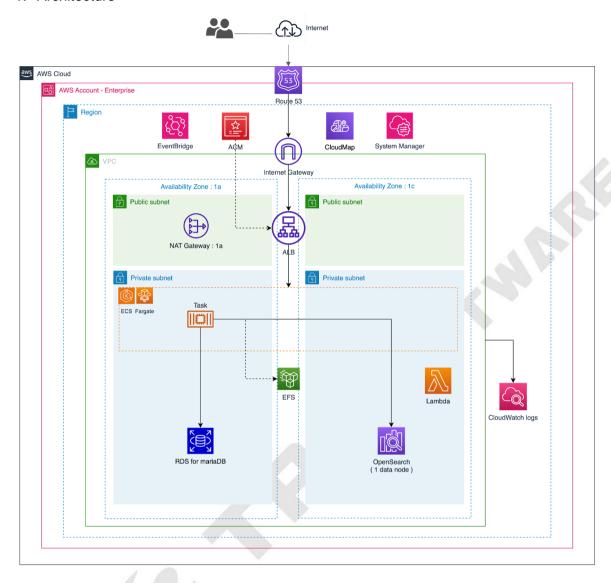


Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate (Autoscaling)	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service (Muilti-AZ)	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/



5.2.3. Architecture - digiRunner Enterprise

1. Architecture

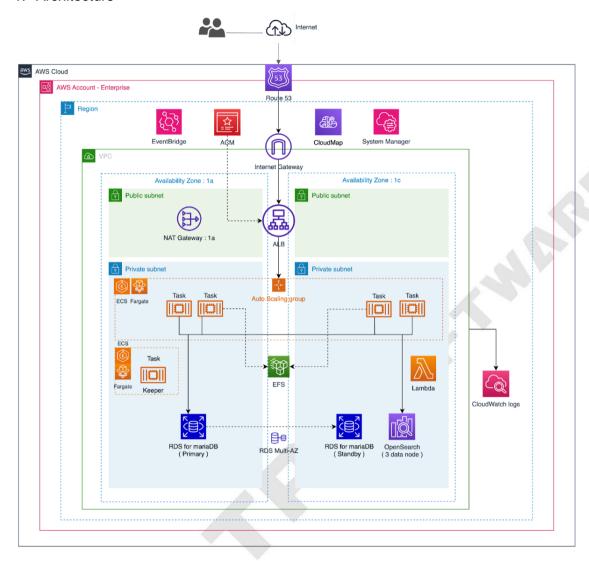


Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/
OpenSearch	OpenSearch (1 data node)	https://aws.amazon.com/opensearch-service/pricing/



5.2.4. Architecture - digiRunner Enterprise (High Availability)

1. Architecture



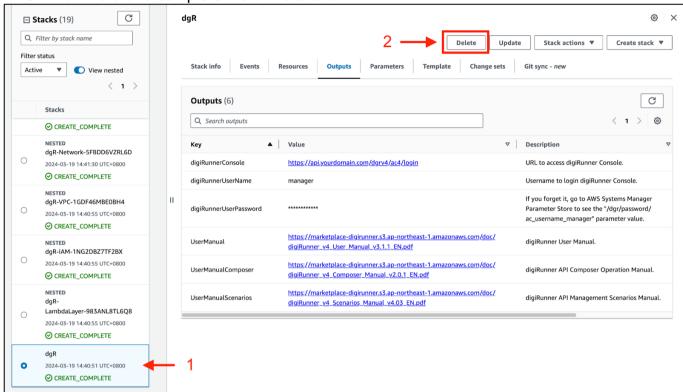
Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate (Autoscaling)	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service (Muilti-AZ)	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/
OpenSearch	OpenSearch (3 data node)	https://aws.amazon.com/opensearch-service/pricing/



6. Uninstallation

1. To uninstall digiRunner, click on the root stack.

2. Click on **Delete** to complete the uninstallation.





7. Troubleshooting

If you had trouble installing the product, please uninstall first and refer to the following instructions to troubleshoot:

- 1. Ensure that at least one domain is registered or hosted on Route 53.
- 2. Ensure that the installation is performed using an AWS account with appropriate permissions (an Admin account is required).
- 3. Check if the VPC resource environment has reached its limit, such as the maximum number of VPCs being five or other restrictions. Refer to the AWS documentation for further details.
- 4. Confirm that the set password complies with the rules: Must be 8 to 12 characters and include upper and lower case letters, numbers, and special characters (@#\$!%*?&).
- 5. Ensure there are no conflicts between the configured subnet and existing subnets.
- 6. Ensure that all data entered during the installation process is accurately selected and filled out.
- 7. If the above issues have been ruled out, it may be an AWS system anomaly. Please try reinstalling.



Appendix

Technical Support

Email: eapdd_aws@tpisoftware.com

Contact Sales

Email: service@tpisoftware.com