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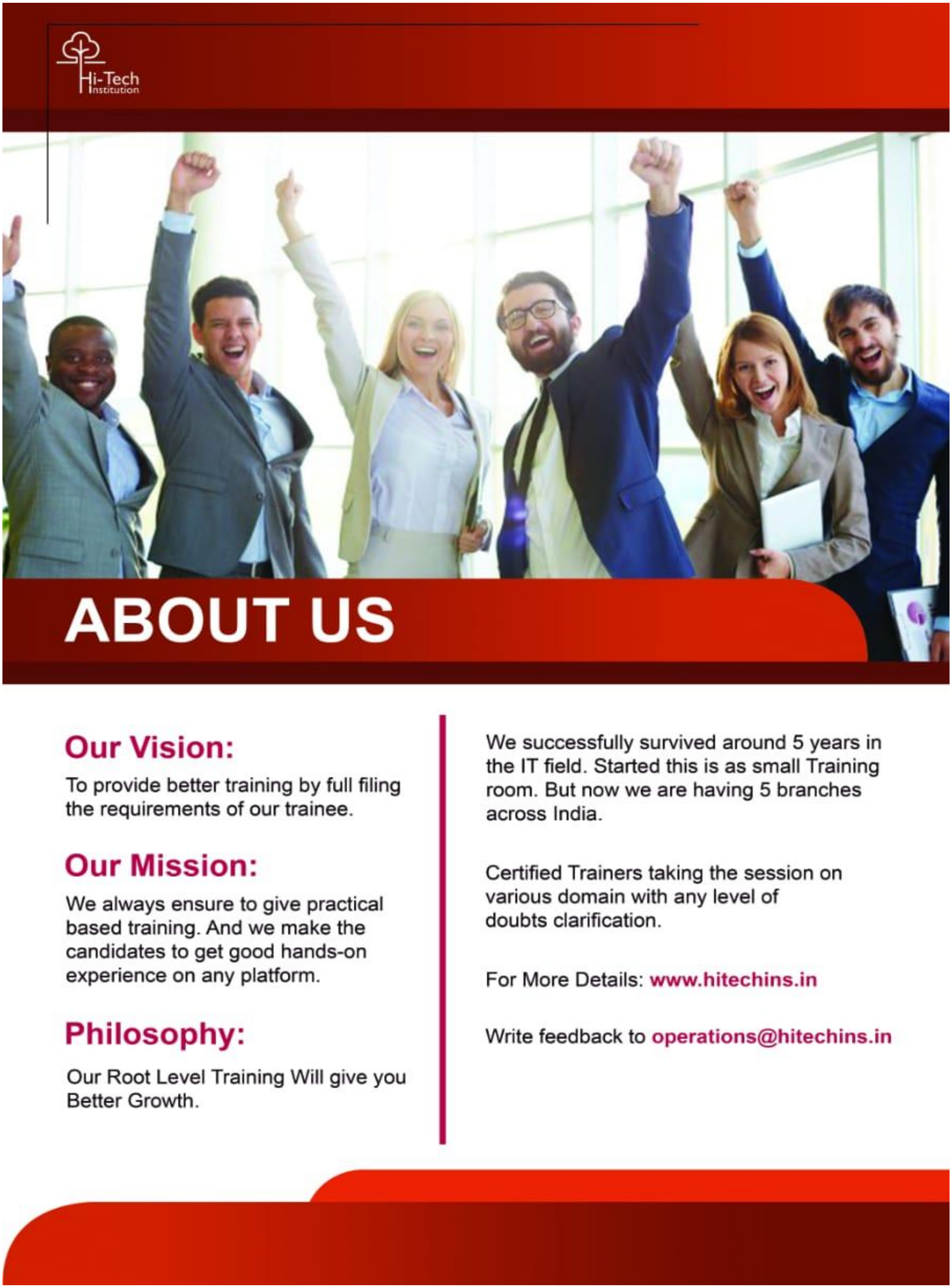
CORPORATE CAREER ENHANCEMENT TRAININGS

OUR ROOT LEVEL TRAINING WILL GIVE YOU BETTER GROWTH


Hi-Tech
Institution

ABOUT US

Our Vision:

To provide better training by full filing the requirements of our trainee.

Our Mission:

We always ensure to give practical based training. And we make the candidates to get good hands-on experience on any platform.

Philosophy:

Our Root Level Training Will give you Better Growth.

We successfully survived around 5 years in the IT field. Started this is as small Training room. But now we are having 5 branches across India.

Certified Trainers taking the session on various domain with any level of doubts clarification.

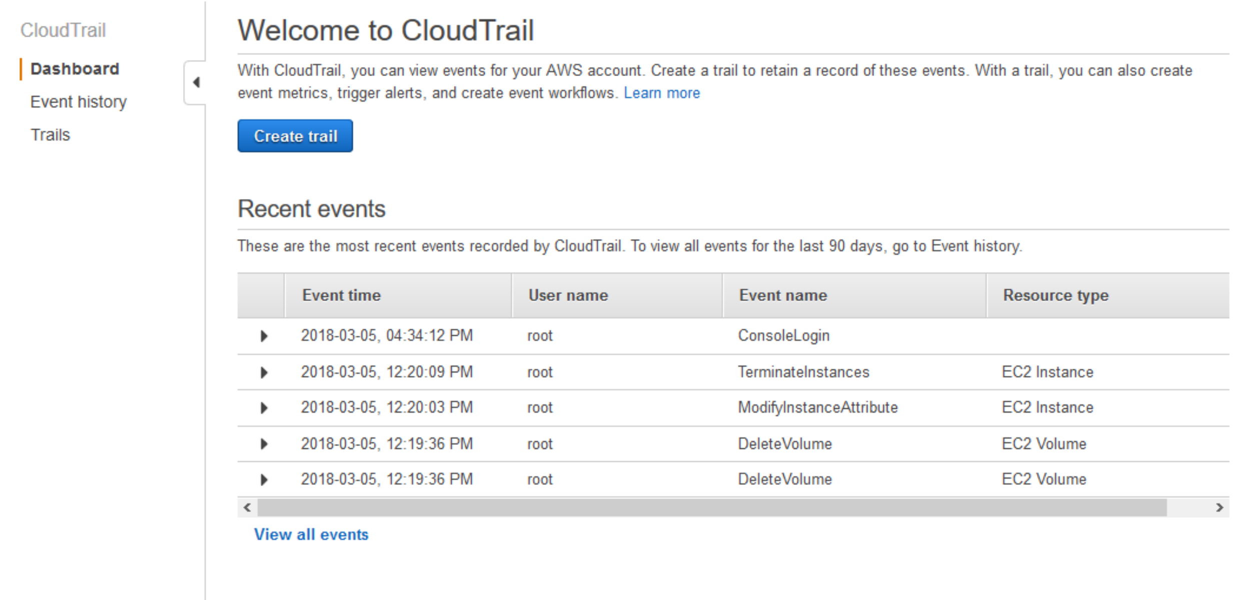
For More Details: **www.hitechins.in**

Write feedback to **operations@hitechins.in**

Cloud Trail

Cloud trail logs

AWS Cloud Trail is a web service that records AWS API calls for your account and delivers log files to you. The recorded information includes the identity of the API caller, the time of the API call, the source IP address of the API caller, the request parameters, and the response elements returned by the AWS service.



Welcome to CloudTrail

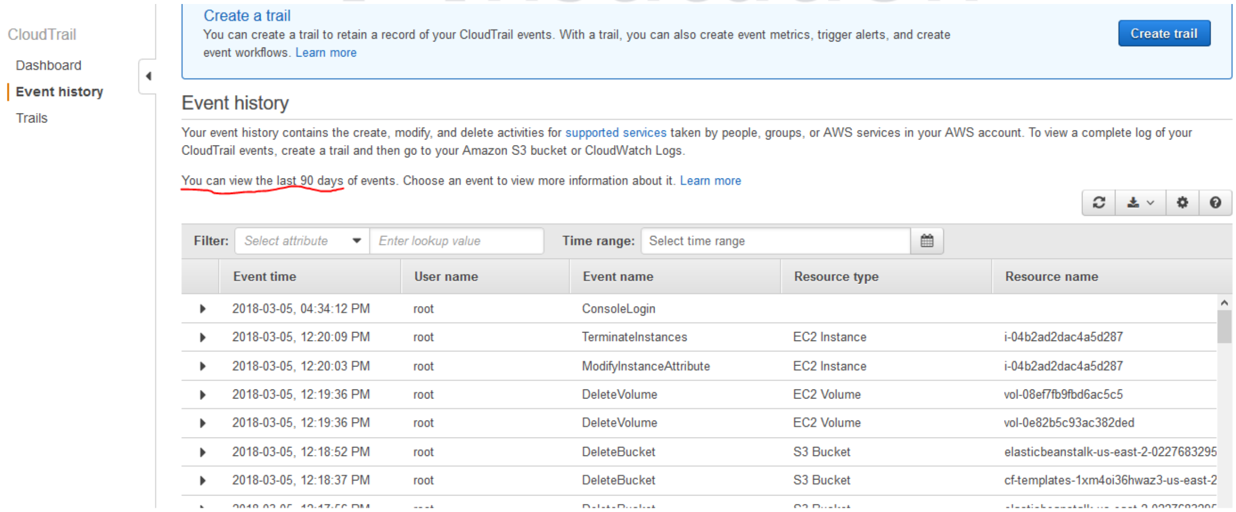
With CloudTrail, you can view events for your AWS account. Create a trail to retain a record of these events. With a trail, you can also create event metrics, trigger alerts, and create event workflows. Learn more

Recent events

These are the most recent events recorded by CloudTrail. To view all events for the last 90 days, go to Event history.

Event time	User name	Event name	Resource type
2018-03-05, 04:34:12 PM	root	ConsoleLogin	
2018-03-05, 12:20:09 PM	root	TerminateInstances	EC2 Instance
2018-03-05, 12:20:03 PM	root	ModifyInstanceAttribute	EC2 Instance
2018-03-05, 12:19:36 PM	root	DeleteVolume	EC2 Volume
2018-03-05, 12:19:36 PM	root	DeleteVolume	EC2 Volume

NOTE: We can view Event history only last 90 days , if we want more than we need to create a trail



Create a trail

You can create a trail to retain a record of your CloudTrail events. With a trail, you can also create event metrics, trigger alerts, and create event workflows. Learn more

Event history

Your event history contains the create, modify, and delete activities for supported services taken by people, groups, or AWS services in your AWS account. To view a complete log of your CloudTrail events, create a trail and then go to your Amazon S3 bucket or CloudWatch Logs.

You can view the last 90 days of events. Choose an event to view more information about it. Learn more

Filter: Select attribute ▾ Enter lookup value Time range: Select time range

Event time	User name	Event name	Resource type	Resource name
2018-03-05, 04:34:12 PM	root	ConsoleLogin		
2018-03-05, 12:20:09 PM	root	TerminateInstances	EC2 Instance	i-04b2ad2dac4a5d287
2018-03-05, 12:20:03 PM	root	ModifyInstanceAttribute	EC2 Instance	i-04b2ad2dac4a5d287
2018-03-05, 12:19:36 PM	root	DeleteVolume	EC2 Volume	vol-08ef7fb9fbd6ac5c5
2018-03-05, 12:19:36 PM	root	DeleteVolume	EC2 Volume	vol-0e82b5c93ac382ded
2018-03-05, 12:18:52 PM	root	DeleteBucket	S3 Bucket	elasticbeanstalk-us-east-2-0227683295
2018-03-05, 12:18:37 PM	root	DeleteBucket	S3 Bucket	cf-templates-1xm4oi36hwaz3-us-east-2
2018-03-05, 12:17:56 PM	root	DeleteBucket	S3 Bucket	elasticbeanstalk-us-east-2-0227683295

Cloud Trail Workflow

View event history for your AWS account

You can view and search the last 90 days of events recorded by Cloud Trail in the Cloud Trail console or by using the AWS CLI.

Download events

You can download a CSV or JSON file containing up to the past 90 days of Cloud Trail events for your AWS account.

Create a trail

A trail enables Cloud Trail to deliver log files to your Amazon S3 bucket. By default, when you create a trail in the console, the trail applies to all regions. The trail logs events from all regions in the AWS partition and delivers the log files to the S3 bucket that you specify.

Create and subscribe to an Amazon SNS topic

Subscribe to a topic to receive notifications about log file delivery to your bucket. Amazon SNS can notify you in multiple ways, including programmatically with Amazon Simple Queue Service.

Note:
If you want to receive SNS notifications about log file deliveries from all regions, specify only one SNS topic for your trail.

View your log files

Use Amazon S3 to retrieve log files

Manage user permissions

Use AWS Identity and Access Management (IAM) to manage which users have permissions to create, configure, or delete trails; start and stop logging; and access buckets that have log files.

Monitor events with Cloud Watch Logs

You can configure your trail to send events to Cloud Watch Logs. You can then use Cloud Watch Logs to monitor your account for specific API calls and events.

Note:
If you configure a trail that applies to all regions to send events to a Cloud Watch Logs log group, Cloud Trail sends events from all regions to a single log group.

Log management and data events

Configure your trails to log read-only, write-only, or all management and data events. By default, trails log management events.

Enable log encryption

Log file encryption provides an extra layer of security for your log files..

Enable log file integrity

Log file integrity validation helps you verify that log files have remained unchanged since Cloud Trail delivered them.

Share log files with other AWS accounts

You can share log files between accounts.

Aggregate logs from multiple accounts

You can aggregate log files from multiple accounts to a single bucket.

Work with partner solutions

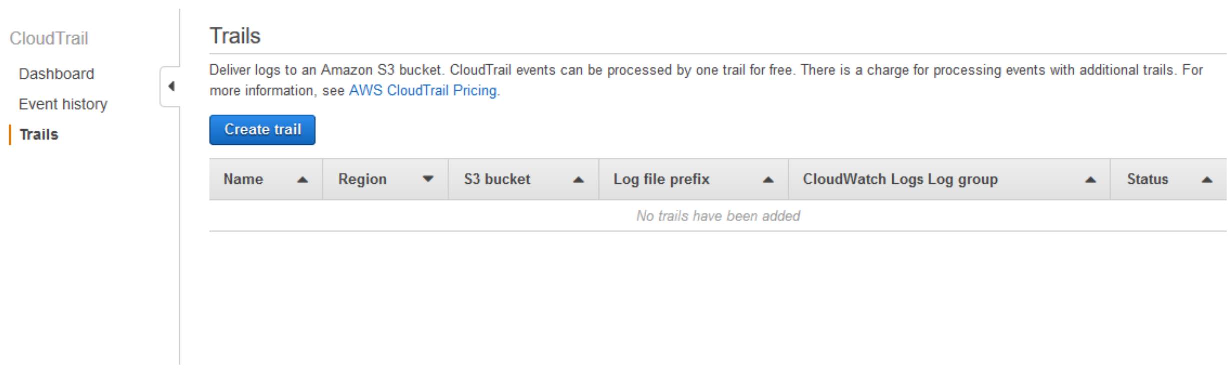
Analyze your Cloud Trail output with a partner solution that integrates with Cloud Trail. Partner solutions offer a broad set of capabilities, such as change tracking, troubleshooting, and security analysis

Creating a Trail in the Console

- You can configure your trail for the following:
- Specify if you want the trail to apply to all regions or a single region.
- Specify an Amazon S3 bucket to receive log files.
- For management and data events, specify if you want to log read-only, write-only, or all events.

To create a CloudTrail trail with the AWS Management Console

1. Sign in to the AWS Management Console and open the CloudTrail console at https://console.aws.amazon.com/cloudtrail/.



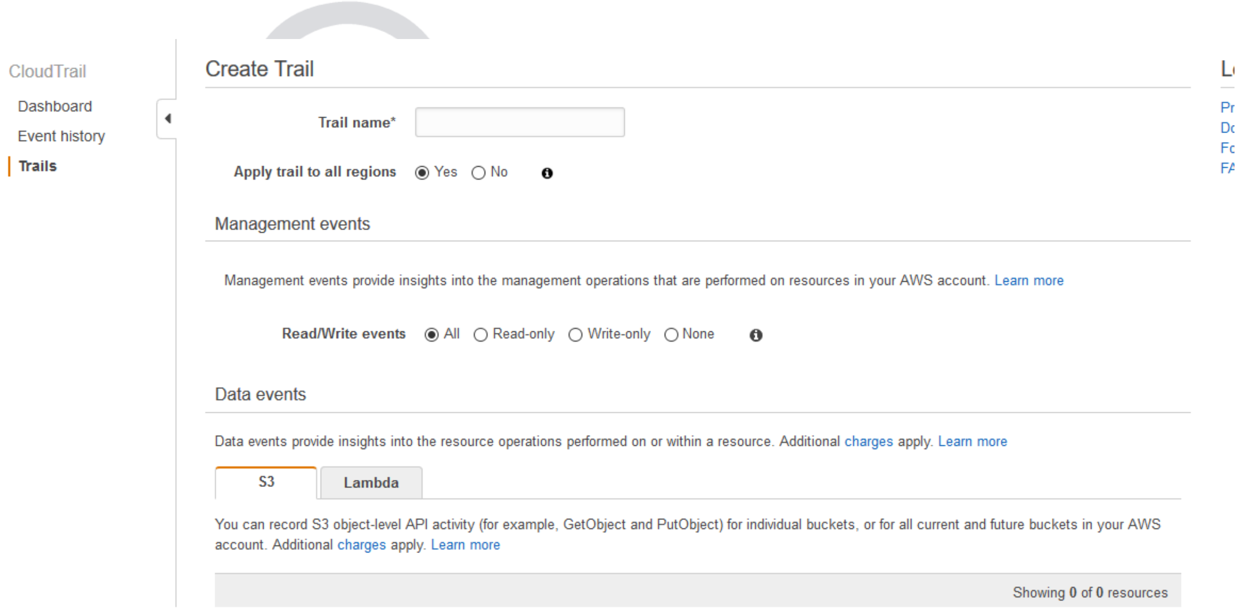
Trails

Deliver logs to an Amazon S3 bucket. CloudTrail events can be processed by one trail for free. There is a charge for processing events with additional trails. For more information, see AWS CloudTrail Pricing.

Name	Region	S3 bucket	Log file prefix	CloudWatch Logs Log group	Status

No trails have been added

2. Choose the region where you want the trail to be created.
3. Choose **Get Started Now**.
4. On the **Create Trail** page, for **Trail name**, type a name for your trail. For more information,
5. For **Apply trail to all regions**, choose **Yes** to receive log files from all regions. This is the default and recommended setting. If you choose **No**, the trail logs files only from the region in which you create the trail.
6. For **Management events**, for **Read/Write events**, choose if you want your trail to log **All**, **Read-only**, **Write-only**, or **None**, and then choose **Save**. By default, trails log all management events.
7. For **Data events**, you can specify logging data events for Amazon S3 buckets, for AWS Lambda functions, or both. By default, trails don't log data events. Additional charges apply for logging data events.



Create Trail

Trail name*

Apply trail to all regions ● Yes ○ No

Management events

Management events provide insights into the management operations that are performed on resources in your AWS account. Learn more

Read/Write events ● All ○ Read-only ○ Write-only ○ None

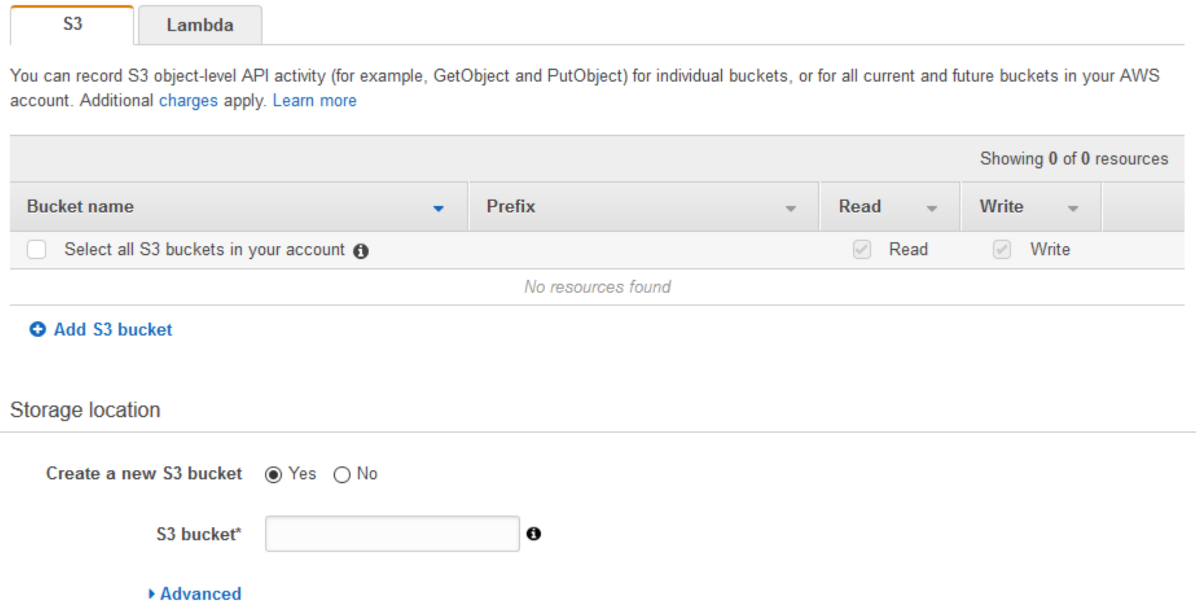
Data events

Data events provide insights into the resource operations performed on or within a resource. Additional charges apply. Learn more

You can record S3 object-level API activity (for example, GetObject and PutObject) for individual buckets, or for all current and future buckets in your AWS account. Additional charges apply. Learn more

Showing 0 of 0 resources

You can select the option to log all S3 buckets and Lambda functions, or you can specify individual buckets or functions.



You can record S3 object-level API activity (for example, GetObject and PutObject) for individual buckets, or for all current and future buckets in your AWS account. Additional charges apply. Learn more

Showing 0 of 0 resources

Bucket name	Prefix	Read	Write
□ Select all S3 buckets in your account		☑ Read	☑ Write
No resources found			

Storage location

Create a new S3 bucket ● Yes ○ No

S3 bucket*

For Amazon S3 buckets:

- Choose the **S3** tab.
- To specify a bucket, choose **Add S3 bucket**. Type the S3 bucket name and prefix (optional) for which you want to log data events. For each bucket, specify whether you want to log **Read** events, such as Get Object, **Write** events, such as Put Object, or both.
- To log data events for all S3 buckets in your AWS account, select **Select all S3 buckets in your account**. Then choose whether you want to log **Read** events, such as GetObject, **Write** events, such as Put Object, or both. This setting takes precedence over individual settings you configure for individual buckets. For example, if you specify logging **Read** events for all S3 buckets, and then choose to add a specific bucket for data event logging, **Read** is already selected for the bucket you added. You cannot clear the selection. You can only configure the option for **Write**.

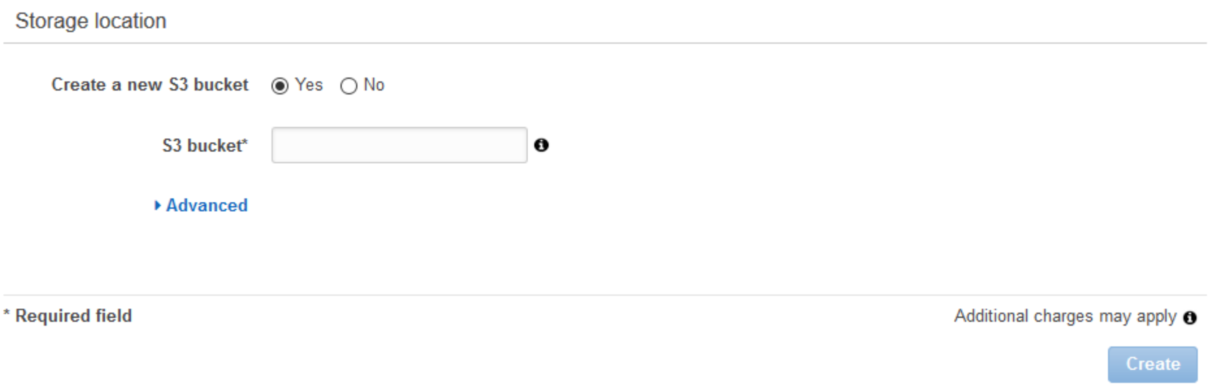
For Lambda functions:

- Choose the **Lambda** tab.
- To specify logging individual functions, select them from the list.

8. For **Storage location**, for **Create a new S3 bucket**, choose **Yes** to create a bucket. When you create a bucket, CloudTrail creates and applies the required bucket policies.

Note:

If you chose **No**, choose an existing S3 bucket. The bucket policy must grant Cloud Trail permission to write to it.



Storage location

Create a new S3 bucket ● Yes ○ No

S3 bucket*

Advanced

* Required field

Additional charges may apply

9. For **S3 bucket**, type a name for the bucket you want to designate for log file storage. The name must be globally unique.
10. To configure advanced settings,. Otherwise, choose **Create**.
11. The new trail appears on the **Trails** page. The **Trails** page shows the trails in your account from all regions. In about 15 minutes, Cloud Trail publishes log files that show the AWS API calls made in your account. You can see the log files in the S3 bucket that you specified.

Note:

You can't rename a trail after it has been created. Instead, you can delete the trail and create a new one.

To configure advanced settings for your trail

1. For **Storage location**, choose **Advanced**.
2. In the **Log file prefix** field, type a prefix for your Amazon S3 bucket. The prefix is an addition to the URL for an Amazon S3 object that creates a folder-like organization in your bucket. The location where your log files will be stored appears under the text field.
3. For **Encrypt log files**, choose **Yes** if you want AWS KMS to encrypt your log files.
4. For **Create a new KMS key**, choose **Yes** to create a key or **No** to use an existing one.
5. If you chose **Yes**, in the **KMS key** field, type an alias. Cloud Trail encrypts your log files with the key and adds the policy for you.

Note:

If you chose **No**, choose an existing KMS key. You can also type the ARN of a key from another account. For more information. The key policy must allow Cloud Trail to use the key to encrypt your log files, and allow the users you specify to read log files in unencrypted form. For information about manually editing the key policy

For **Enable log file validation**, choose **Yes** to have log digests delivered to your S3 bucket. You can use the digest files to verify that your log files did not change after Cloud Trail delivered them.

For **Send SNS notification for every log file delivery**, choose **Yes** if you want to be notified each time a log is delivered to your bucket. Cloud Trail stores multiple events in a log file. SNS notifications are sent for every log file, not for every event.

6. For **Create a new SNS topic**, choose **Yes** to create a topic, or choose **No** to use an existing topic. If you are creating a trail that applies to all regions, SNS notifications for log file deliveries from all regions are sent to the single SNS topic that you create.

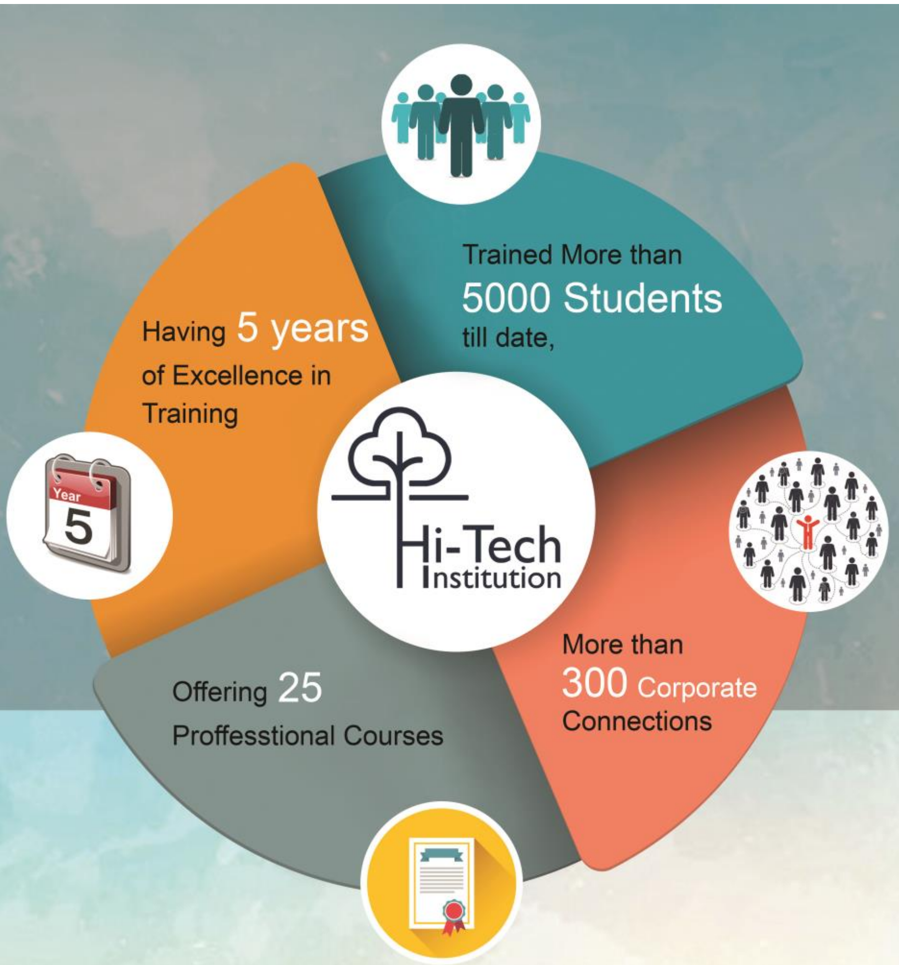
Note:

If you chose **No**, choose an existing topic. You can also enter the ARN of a topic from another region or from an account with appropriate permissions If you chose **Yes**, in the **SNS topic** field, type a name.

If you create a topic, you must subscribe to the topic to be notified of log file delivery. You can subscribe from the Amazon SNS console. Due to the frequency of notifications, we recommend that you configure the subscription to use an Amazon SQS queue to handle notifications programmatically. Choose **Create**.

Next Steps

- After you create your trail, you can return to the trail to make changes:
- Configure Cloud Trail to send log files to Cloud Watch Logs. Add custom tags (key-value pairs) to the trail.
- To create another trail, return to the **Trails** page and choose **Add new trail**.



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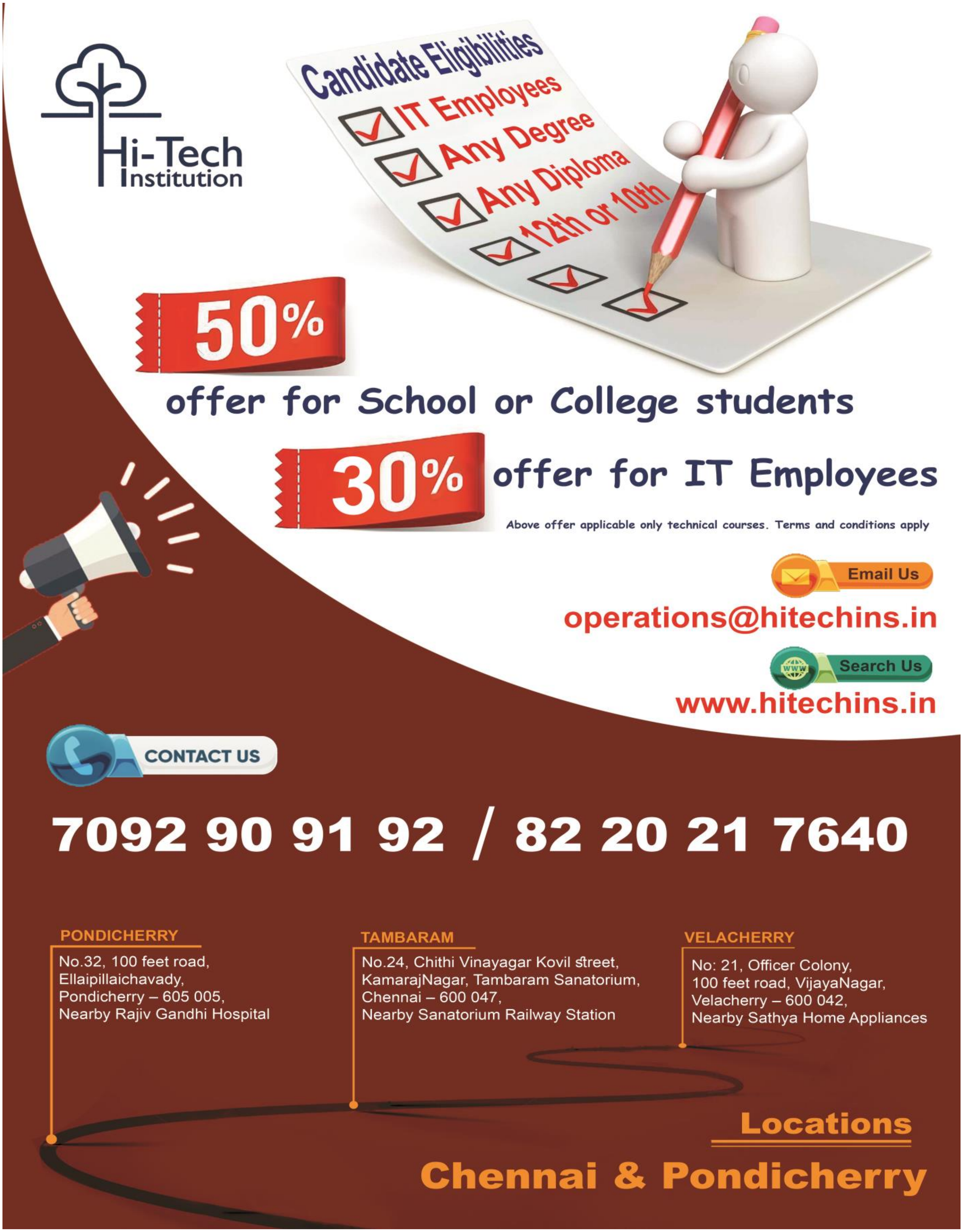

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Candidate Eligibilities

- ☑ IT Employees
- ☑ Any Degree
- ☑ Any Diploma
- ☑ 12th or 10th

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