

Select a Report Category

Full Environment Reports
All of your ClearDATA managed assets

Asset Group Reports
Groups by GCP account, VPC or tags

Individual Asset Reports
Compliance details for a single asset

Visualize Your Compliance

Select a Compliance Framework

GDPR
European General Data Protection Regulation Framework

HIPAA
Health Insurance Portability and Accountability Act of 1996

GxP
Good X Practices

ISO 27001:2013
International Organization for Standardization - Information Security Management Systems

NIST SP 800-53 Rev. 4
National Institute of Standards and Technology - Security and Privacy Controls

Compliance is hard. Standards evolve, new regulations are introduced, and reputational and financial risks only escalate. Before you know it, resources that could otherwise be devoted to patient outcomes, claims management, and the ability to provide innovative solution and research in healthcare and life sciences are being committed to managing compliance posture and gathering artifacts for audits.

While you might know the necessary controls that need to be put in place, each framework has a different regulation that those controls map to — some referenced as Articles, CFRs, etc. — and, even once you have it mapped out, you still have to figure out what you are going to do to support it so your environment remains compliant.

This is where ClearDATA comes in. We are HITRUST certified experts at security, compliance and privacy in the healthcare cloud. Our managed cloud services include a Compliance Dashboard that gives you a constant view into your environment.

Obtaining visualization and insight into your infrastructure is pivotal to your compliance posture and your ability to assure patients, stakeholders and auditors that you meet or exceed the regulatory standard of each framework you are working within.

Read on to see the difference ClearDATA's Compliance Dashboard can make in improving your ability to focus on your business objectives while we help maintain your compliance.

ClearDATA Compliance Dashboard

The screenshot displays the ClearDATA Compliance Dashboard interface. On the left, a sidebar contains navigation links: 'Select a Report Category' (with 'Full Environment Reports' and 'All of your ClearDATA managed assets'), 'Select a Compliance Framework' (with 'GDPR' and 'European General Data Protection Regulation Framework'), and 'Select an Asset and Date'. The main content area features the title 'Platform HIPAA Compliance Report' and a 'Date & Time: 2018-06-11 4:10 am'. Below this, a table titled 'Result Details & Records' shows compliance results. The first row, 'HIPAA Compliance Check', has a 'Success' result. The second row, 'Physical Security', also has a 'Success' result. The third row, 'Independent Assurance', has a 'Success' result. The fourth row, 'Access Control & Validation Proc', has a 'Success' result. The fifth row, 'Security', has a 'Success' result. The sixth row, 'Backup S', has a 'Success' result. The dashboard also includes logos for AWS, Google Cloud Platform, and Azure at the top right.

Select a Report Category

Full Environment Reports
All of your ClearDATA managed assets

Select a Compliance Framework

GDPR
European General Data Protection Regulation Framework

Select an Asset and Date

Asset ID: 00000000-0000-0000-0000-000000000000
Date & Time: 2018-06-11 4:10 am

Platform HIPAA Compliance Report

Result Details & Records	Result								
HIPAA Compliance Check All of our data centers have strict security protocols and are protected with 24/7 perimeter sensor-monitoring and badged or biometric entry into secure areas. Download HITRUST Certification Download HIPAA Security Risk Assessment Download SOC 2 Type II Report Download HITRUST NIST CSF Certification	Success								
Physical Security All the storage volumes attached to this asset were successfully backed up yesterday: <table border="1"><thead><tr><th>Id</th><th>Volume</th><th>Snapshot</th><th>Created</th></tr></thead><tbody><tr><td>vol-000000000000</td><td>/dev/sdb1</td><td>snap-000000000000</td><td>2018-06-10 6:02 pm</td></tr></tbody></table>	Id	Volume	Snapshot	Created	vol-000000000000	/dev/sdb1	snap-000000000000	2018-06-10 6:02 pm	Success
Id	Volume	Snapshot	Created						
vol-000000000000	/dev/sdb1	snap-000000000000	2018-06-10 6:02 pm						
Independent Assurance Access Control & Validation Proc 164.310(a)(2)(iii) - Regulation Details	Success								
Security	Success								
Backup S	Success								

The ClearDATA Compliance Dashboard gives insight into your data inventory, while also proving the extent to which measures are in place to protect it. It provides you with clear, concise, and auditable views of your cloud environments mapped to multiple compliance disciplines, including: HIPAA, GDPR, GxP, NIST, ISO 27001.

You can view the compliance status at your full environment level, as a group of assets, or at the individual asset level within AWS, Google Cloud Platform, and/or Azure. On top of that, you can switch between different compliance frameworks and instantly see the results of how your environment, group of assets, or asset stands.

Visualize Your Compliance Status Across Different Standards and Regulations

Select a Compliance Framework

APP Australian Privacy Principles (APP)	GDPR European General Data Protection Regulation
GDPR_Unmanaged European General Data Protection Regulation Framework	GxP Good X Practices
HIPAA Health Insurance Portability and Accountability Act of 1996	HIPAA_Unmanaged HIPAA_Unmanaged Framework.
ISO 27001:2013 International Organization for Standardization - Information Security Management Systems	APPI JAPAN: Act on the Protection of Personal Information (APPI)
NIST SP 800-53 Rev. 4 National Institute of Standards and Technology - Security and Privacy Controls	NIST SP 800-171 R1 National Institute of Standards and Technology - Controlled Unclassified Information

Depending upon the market you sell into or the customers you sell to, your framework adherence might vary.

Rather than having to keep track manually or trust that you and your development team have taken the appropriate actions to secure your environment, now you can instantly see your compliance status across a variety of regulations and standards.

In this dashboard you can switch across different frameworks to see how you comply according to HIPAA, GDPR, or even NIST.

Figure 1. In the Compliance Dashboard, you can select from the breadth of supported frameworks and see your compliance status at either an environment level or each individual asset.

Regulation Mapping to Appropriate IT Controls



Figure 2. An example of checks in a the Compliance Dashboard which maps the IT control to the corresponding HIPAA CFR.



Figure 3. “Checks” like the ones shown above represent the different controls in place mapped to the appropriate regulation. You can select one of the boxes to see your environment status according to one regulation.

ClearDATA’s Compliance Dashboard can simplify the process of gathering artifacts and demonstrating your organization’s culture of continuous compliance, based upon IT requirements such as virus scans, intrusion detection, logging, back-up, and encryption which are known as “checks” in the dashboard.

Checks connect the necessary IT controls to the appropriate regulation—all visible in the dashboard. Additionally, you can view the status of your full environment according to just one particular regulation, as well as in the overall framework view.

Evidence for an Audit

The screenshot displays the ClearDATA compliance dashboard. At the top, there's a 'View report for' dropdown set to 'APP' and a date selector 'on 10-31-2018' with a 'Submit' button. Below this is a list of checkboxes for various compliance standards (GDPR, GxP, HIPAA, ISO 27001, APPI, NIST SP 800-53, etc.). The main section is titled 'APP Compliance Report' and shows 'Asset ID: 00006913-plin-aue2-059fb8b48a' and 'Date & Time: 2018-10-31 3:36 am'. A green plus icon indicates an 'APP Compliance Check'. The dashboard is divided into sections: 'Physical Security' (Independent Assurance), 'Data Security' (Data Backup Status), and 'Data Backup Plan'. A modal window titled 'Regulation Details' is open, showing 'Section APP 11.1 (a) : Security of personal information - Data Backup Plan'. The modal text states: 'If an Australian Privacy Principles (APP) entity holds personal information, the entity must take such steps as are reasonable in the circumstances to protect the information: (a) From misuse, interference and loss.' It also includes a 'ClearDATA Interpretation' section explaining that ClearDATA provides backup services conforming to APP requirements. The modal has a 'Close' button.

View report for **APP** on 10-31-2018 **Submit**

☐ Ignore this asset on Full Environment APP Compliance Reports.
☐ Ignore this asset on Full Environment GDPR Compliance Reports.
☐ Ignore this asset on Full Environment GDPR_Unrestricted Compliance Reports.
☐ Ignore this asset on Full Environment GxP Compliance Reports.
☐ Ignore this asset on Full Environment HIPAA Compliance Reports.
☐ Ignore this asset on Full Environment HIPAA_Unrestricted Compliance Reports.
☐ Ignore this asset on Full Environment ISO 27001:2015 Compliance Reports.
☐ Ignore this asset on Full Environment APPI Compliance Reports.
☐ Ignore this asset on Full Environment NIST SP 800-53 Compliance Reports.

APP Compliance Report

Asset ID: 00006913-plin-aue2-059fb8b48a
Date & Time: 2018-10-31 3:36 am

APP Compliance Check

Physical Security

Independent Assurance
APP 11 : Security of personal information - Regulation Details

Download HITRUST Certification
Download SOC 2 Type II Report
Download HIPAA SRA Evaluation

Data Security

Data Backup Status
All the storage volumes attached to this asset were successfully backed up y

Id	Volume
vol-0283f5ad8c5f6d004	/dev/xvda

Data Backup Plan
APP 11.1 (a) : Security of personal information - Regulation Details

View Full History

All the storage volumes for this asset are fully encrypted, and are in complian

Figure 4. The Regulation Details are available for every check and provide documentation around the particular regulation. The ClearDATA interpretation describes the controls in place in the cloud.

It's not just about pass or fail. As many healthcare and life sciences companies know, audits are a regularly occurring event that keep organizations true and disciplined. But at the same time, a lot of work is required to gather all of the evidence needed to prepare for the audit.

After all, it's not enough to say you are compliant, you must prove it. Within the Compliance Dashboard, you can see the language of the regulation and the ClearDATA interpretation.

This documents how the regulation is being met, and when security and compliance questions arise, this view can be easily shared with leadership, auditors and your customers.

Understand Your Compliance Status at any Level

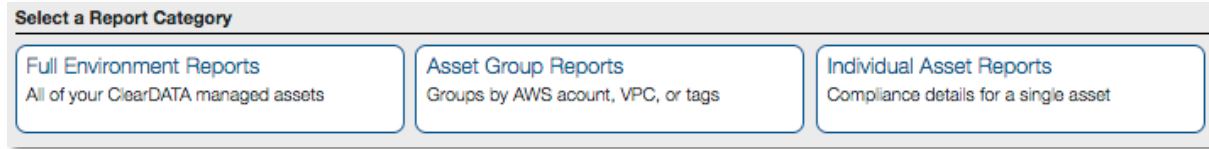


Figure 5. Select from different levels of detail to view your compliance status.

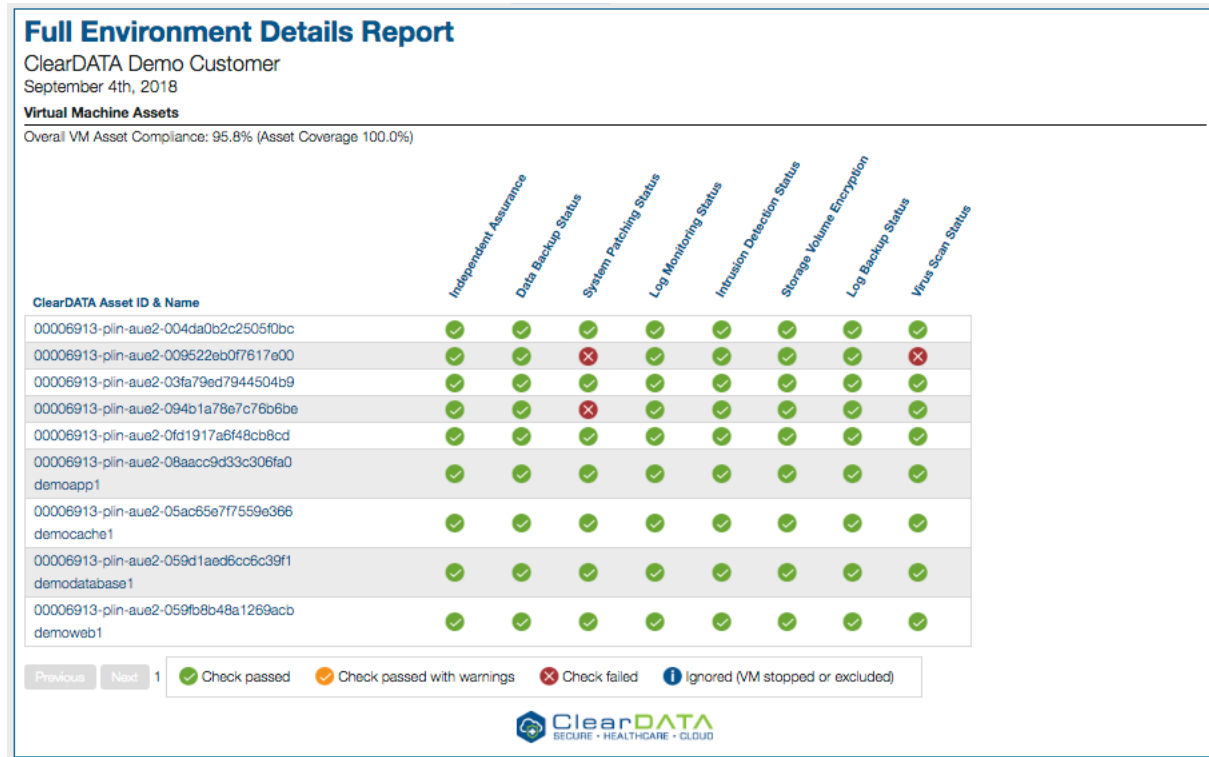


Figure 6. The Full Environment Details Report provides a status of all of the assets' compliance for each regulation on a single report

Current scorecards and historical trending data by cloud service, regulatory framework, or geographic region make it easy to view your attainment of compliance objectives over time. Assets can also be easily grouped to represent a given application, team, or line of business.

This lets you separate and see compliance on a per project basis, especially as many projects might have different frameworks they must adhere to based upon the location of the data. This also lets you decouple your sandbox environments from your production environments so that you can monitor compliance status for only the environments that require it.

See Your Compliance Status Over Time

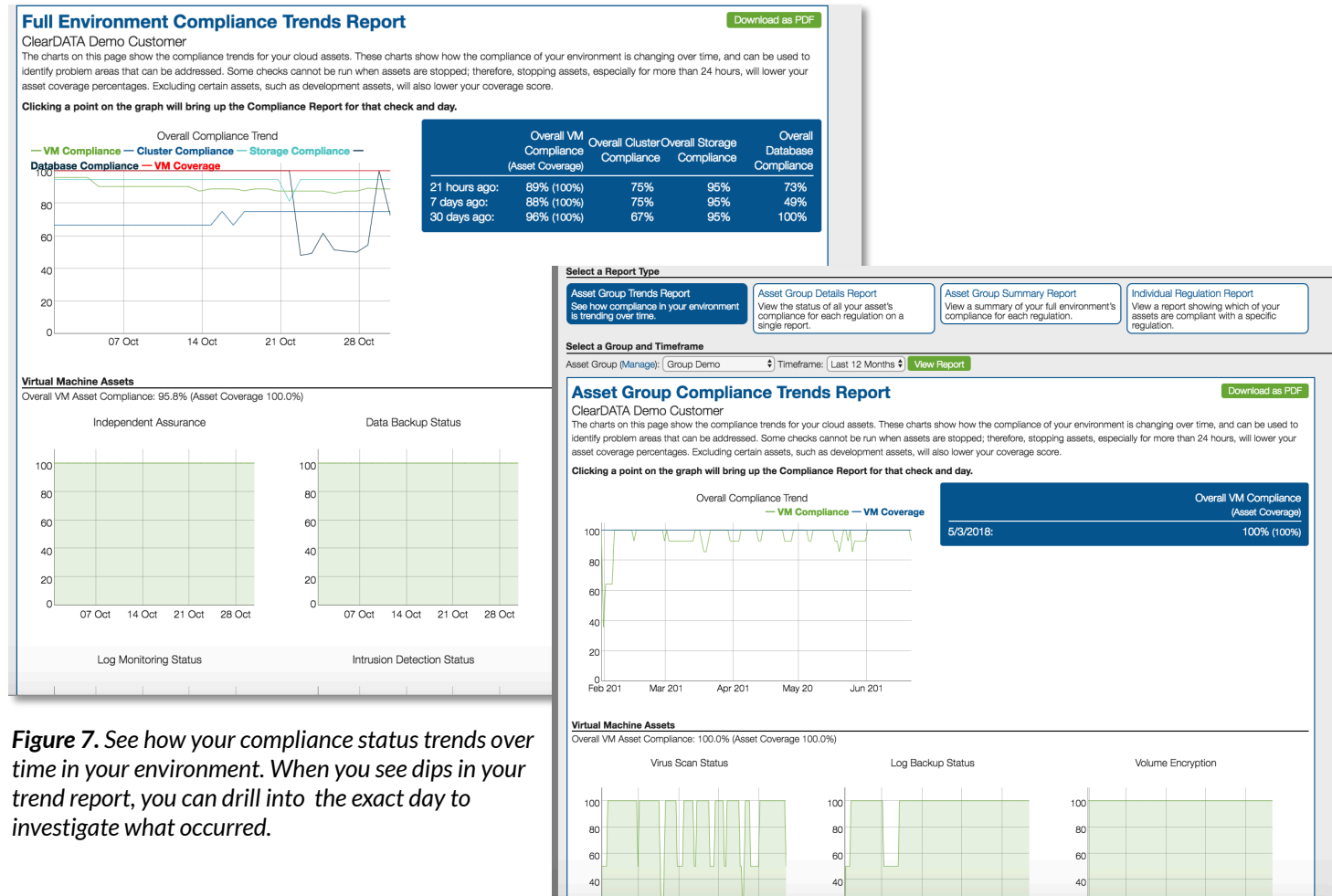
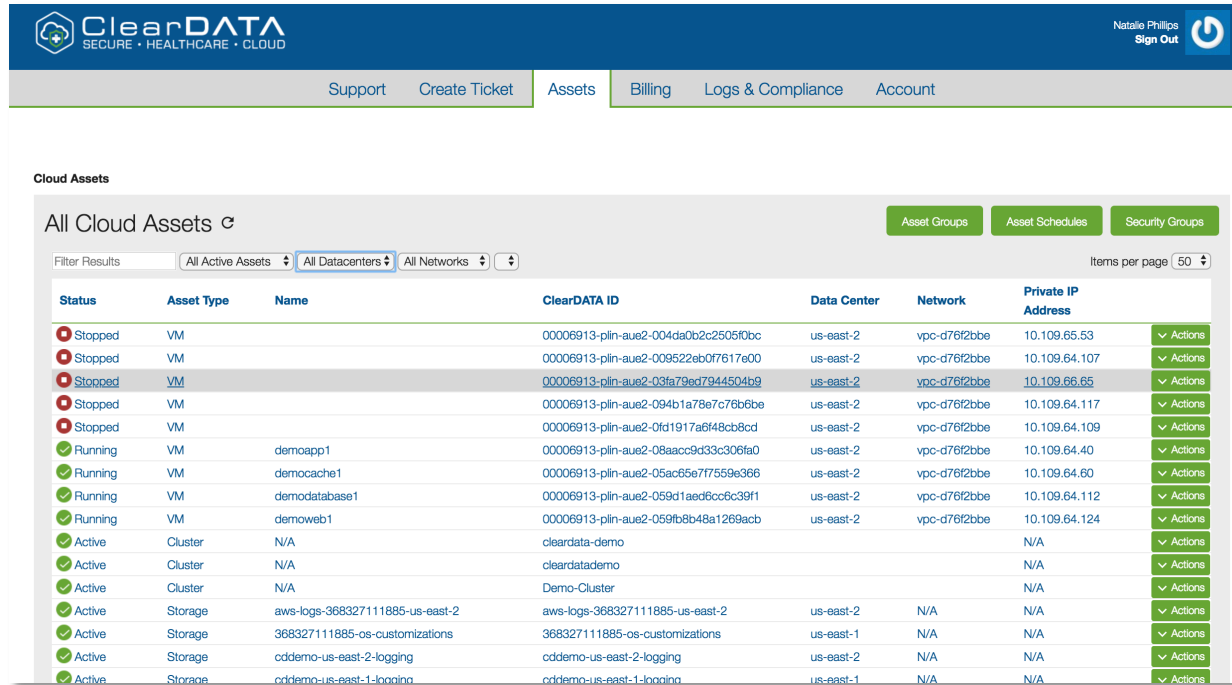


Figure 7. See how your compliance status trends over time in your environment. When you see dips in your trend report, you can drill into the exact day to investigate what occurred.

See trends of your full environment over a timeframe – 30 days, 90 days, six months, or a year – and see overall compliance of your assets as it relates to a certain check such as vulnerability scan or log backup.

ClearDATA collects all of the Operating System audit logs and makes them available through the portal. Logs are retained for six years and always available for download.

View Your Data Inventory



Status	Asset Type	Name	ClearDATA ID	Data Center	Network	Private IP Address	Actions
Stopped	VM		00006913-plin-aue2-004da0b2c2505f0bc	us-east-2	vpc-d76f2bbe	10.109.65.53	Actions
Stopped	VM		00006913-plin-aue2-009522eb0f7617e00	us-east-2	vpc-d76f2bbe	10.109.64.107	Actions
Stopped	VM		00006913-plin-aue2-03fa79ed7944504b9	us-east-2	vpc-d76f2bbe	10.109.66.65	Actions
Stopped	VM		00006913-plin-aue2-094b1a78e7c76b6be	us-east-2	vpc-d76f2bbe	10.109.64.117	Actions
Stopped	VM		00006913-plin-aue2-0fd1917a6f48cb8cd	us-east-2	vpc-d76f2bbe	10.109.64.109	Actions
Running	VM	demoapp1	00006913-plin-aue2-08aacc9d33c306fa0	us-east-2	vpc-d76f2bbe	10.109.64.40	Actions
Running	VM	democache1	00006913-plin-aue2-05ac65e7f7559e366	us-east-2	vpc-d76f2bbe	10.109.64.60	Actions
Running	VM	demodatabase1	00006913-plin-aue2-059d1aed6cc6c39f1	us-east-2	vpc-d76f2bbe	10.109.64.112	Actions
Running	VM	demoweb1	00006913-plin-aue2-059fb8b48a1269acb	us-east-2	vpc-d76f2bbe	10.109.64.124	Actions
Active	Cluster	N/A	cleardata-demo			N/A	Actions
Active	Cluster	N/A	cleardatademo			N/A	Actions
Active	Cluster	N/A	Demo-Cluster			N/A	Actions
Active	Storage	aws-logs-368327111885-us-east-2	aws-logs-368327111885-us-east-2	us-east-2	N/A	N/A	Actions
Active	Storage	368327111885-os-customizations	368327111885-os-customizations	us-east-1	N/A	N/A	Actions
Active	Storage	cddemo-us-east-2-logging	cddemo-us-east-2-logging	us-east-2	N/A	N/A	Actions
Active	Storage	cddemo-us-east-1-logging	cddemo-us-east-1-logging	us-east-1	N/A	N/A	Actions

Figure 8. The Asset tab within the Compliance Dashboard allows you to drill down to gather more details around your assets.

Within healthcare IT, it's imperative to know where your data lives. HIPAA and GDPR require it. Security Risk Assessments typically start with looking at an organization's PHI inventory, which often, doesn't exist.

The Compliance Dashboard provides an inventory of your cloud environment—down to the individual asset level. Rather than pulling individual services within your cloud console, the dashboard provides a snapshot view of all cloud resources currently in-use, which provides:

- An asset inventory of all of your compute clusters
- An inventory of all of your assets within each of the different cloud services
- A way to drill down into a specific asset and see details such as the instance type and availability zone
- A view of the results of scheduled scans for Anti-Virus
- A visual history of the IDS agents communication with the IDS monitoring appliance

Understand Your Individual Assets

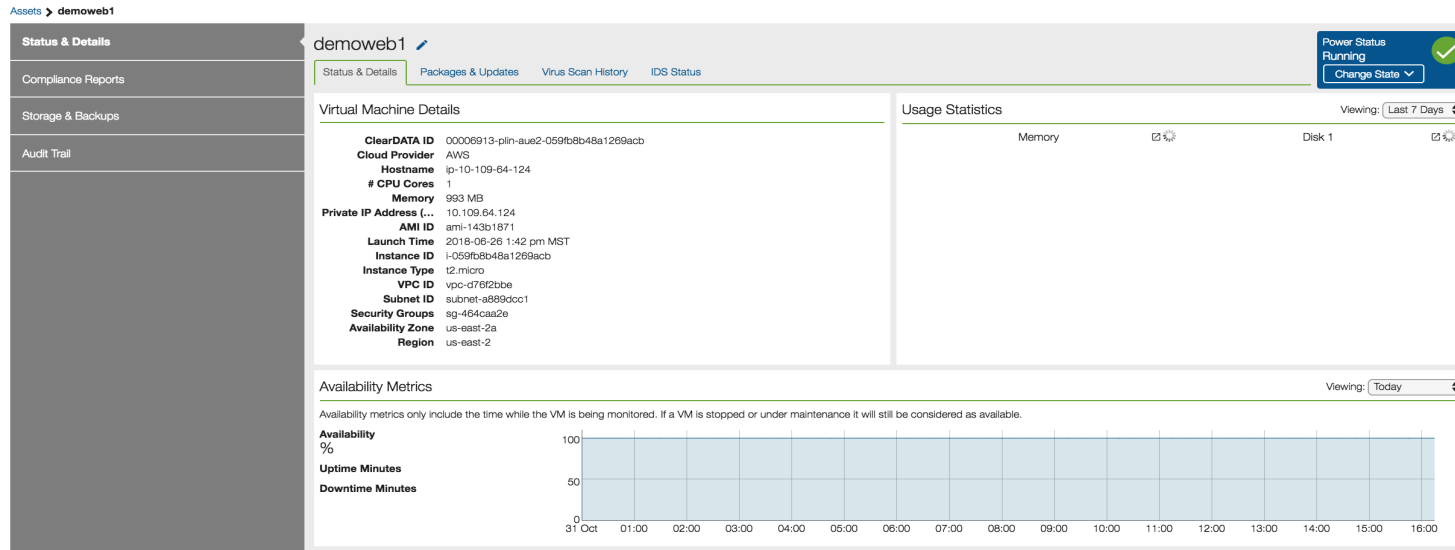


Figure 9. A compliance report at the individual asset level.

In addition to understanding your entire environment, you can drill down to gain details about your individual assets such as:

- Instance type and regions
- Usage statistics for memory and disk on the machine
- Available security updates
- Communication history of IDS agents with IDS monitoring appliance
- Volume type, if the volume is encrypted, and the size of the volume
- Snapshot history along with the snapshot ID and the related volume for the snapshot
- Compliance status at the asset level
- All packages installed on the machine and available updates
- Scheduled Anti-Virus scans for the server and the latest definitions the AV agent uses
- Audit trail for the user accounts and virtual machine logins
- Downloadable log entry, including logs older than 45 days

Learn more about the Compliance Dashboard

The screenshot displays the ClearDATA Compliance Reports interface. At the top, it features the AWS, Google Cloud, and Azure logos. Below the header, there are three tabs for selecting a report category: 'Full Environment Reports', 'Asset Group Reports', and 'Individual Asset Reports'. The 'Individual Asset Reports' tab is selected. Underneath, there are five boxes for selecting a compliance framework: 'GDPR', 'HIPAA' (selected), 'CoP', 'ISO 27001:2013', and 'NIST SP 800-53 Rev. 4'. Below these, there are fields for 'Asset ID' and 'Date', with a 'View Report' button and a 'Download as PDF' button. The main content area shows the 'Google Cloud Platform HIPAA Compliance Report' for Asset ID: 00000000-0000-0000-0000000000000000, dated 2018-06-11 4:10 am. The report is divided into two main sections: 'Physical Security' and 'Data Security'. The 'Physical Security' section includes 'Independent Assurance' with a 'Success' result. The 'Data Security' section includes 'Data Backup Status' and 'Persistent Disk Encryption', both with 'Success' results. The 'Data Backup Status' section includes a table of backup volumes.

Volume	Snapshot	Created
vol-000000000000	snap-000000000000	2018-06-10 6:02 pm

Volume Id	Attached As	Encrypted	Ignored
vol-000000000000		Yes	No

Don't let compliance get in the way of your innovation in the cloud — visualize your compliance in AWS, Azure, and Google Cloud Platform with ClearDATA's Compliance Dashboard.

Learn More:

<https://www.cleardata.com/solutions/compliance/>