HP Cloud Analytics for Tablet

For the Windows [®] operating system

Software Version: 1.00

Getting Started with Cloud Analytics on Tablet powered by Executive Scorecard



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The title page of this document contains the following identifying information:

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Getting Started with the Cloud Analytics for Tablet App

The Cloud Analytics app provides a powerful combination of Cloud, mobile, and analytic capabilities into one app. The app is powered by Executive Scorecard and enjoys its benefits, experience, and best practices in the Cloud Management domain. It presents lean and focused analytical use cases powered by Executive Scorecard broader analytical platform. The app uses data that is automatically captured from the HP Software portfolio and the main Cloud providers. The Cloud Analytics app presents a 360 view of a Cloud-based environment through the management of 6 different aspects: Vendors, Financials, Elasticity, Reliability, Agility, and Data Privacy.

The data flow scheme is as follows:



Once you have downloaded and installed HP Anywhere and the relevant app, you can log in to HP Anywhere to access available services.

Cloud Analytics for Tablet allows you to access significant business information anytime and anywhere. The app is designed to focus on the KPIs that are critical to the analysis of your Cloud. You can view the up-to-date and over-time results for the relevant Key Performance Indicators (KPIs).

Using Time Line, you can communicate and collaborate with your colleagues to improve these results. With Cloud Analytics for Tablet, you can easily drill down to get an instant access to the full picture of your Cloud performance wherever and whenever they want.

Audience

This document is designed for the following audience:

- The administrator. For details, see Install and Configure XS for Tablet. Note that the administrator can be the HP Anywhere administrator or the Executive Scorecard administrator or both roles can be combined.
- The end-user is typically an Executive of IT organizations that use private\public\hybrid cloud
 providers to support the successful delivery of services to the Enterprise. For details, see How
 to Use XS for Tablet.

Related Information

The following documents include additional information related to HP Anywhere and the Cloud Analytics for Tablet app:

- HP Anywhere Installation and Configuration Guide
- HP Anywhere Administrator Guide

These documents are available in the HP Live Network site (https://h20117.www2.hp.com/wiki/).

- For more information related to HP IT Executive Scorecard, see the following documents:
- IT Executive Scorecard Installation and Configuration Guide or IT Executive Scorecard Upgrade Guide
- IT Executive Scorecard Administrator Guide
- IT Executive Scorecard Business Analyst Guide
- IT Executive Scorecard Troubleshooting Guide in Excel format
- IT Executive Scorecard Release Notes
- IT Executive Scorecard Support Matrix

These documents are available in the HP IT Executive Scorecard DVD or on the HP Software Product Manual Site (http://h20230.www2.hp.com/selfsolve/manuals).

To replace the current documentation in your system with the recently updated documentation obtained from the Manual site, proceed as follows:

- Copy the online help to the <**HPXS**>\agora\docs\<Ianguage_country code>\directory where <language_country_code> is: **en_US** for English language documentation and ja_JP for Japanese language documentation.
- Copy the PDFs to the <**HPXS**>\agora\docs\<language_country code>\pdfs\ directory where <language_country_code> is: en_US for English language documentation and ja_JP for Japanese language documentation.
- Copy the post-install online help to the <HPXS>\agora\configwizard\docs\ directory.

Install and Configure Cloud Analytics for Tablet

Note: This section's audience is the administrator.

This section provides information on how to install and configure Cloud Analytics for Tablet. The Cloud Analytics for Tablet app runs on the HP Anywhere platform.

To configure Cloud Analytics for Tablet:

 Download HP IT Executive Scorecard and HP Anywhere. Access the HP Software Support Online web site at: http://www.hp.com/go/hpsoftwaresupport site with your HP passport, click the Download tab, click Software Updates, click My Updates, enter your SAID to download the HP IT Executive Scorecard 9.40 Eng SW E-Media and HP Anywhere 10.00, fill out the license form, and download the software. The software includes both the version of HP Executive Scorecard and HP Anywhere that are needed for the Cloud Analytics app.

Note: Do not install HP Anywhere and HP Executive Scorecard on the same server.

- 2. **Install HP Anywhere.** If needed, install HP Anywhere 10.00 on a server. For installation details, see *HP Anywhere Installation and Configuration Guide*.
- 3. **Install Executive Scorecard.** If needed, install HP IT Executive Scorecard on another server. For installation details, see *IT Executive Scorecard Installation and Configuration Guide*.
- Create an Executive Scorecard user account. Create an HP IT Executive Scorecard user account with the necessary access permissions to view the Cloud Analytics page in the HP IT Executive Scorecard application.
- Download HP Anywhere patch 10.02. Download HP Anywhere from the HP IT Executive Scorecard 9.40 download page: access the HP Software Support Online web site at: http://www.hp.com/go/hpsoftwaresupport, click the Downloads tab, click the Software Patches tab, select HP Anywhere, 10.02, and Windows, click Search, and download the patch.
- 6. Create an HP Anywhere user account. Create in HP Anywhere, an HP Anywhere user account with which to log in to HP Anywhere client from your mobile device (consult the relevant HP Anywhere documentation for instructions). The user name and password should be the same user name and password as the user with the permission to view the Cloud Analytics page in the HP IT Executive Scorecard Dashboard.
- 7. Download the Cloud Analytics app on the HP Anywhere server. To install the app, you must download the app .zip file from HPLN. To do so, access HPLN (https://hpln.hp.com/), locate the Executive Scorecard group and in that group the HP Anywhere 10.X app for Executive Scorecard Cloud Analytics community. Click Downloads and download the Cloud Analytics app from that location. For details, see HP Anywhere Administrator Guide.

- 8. **Install the Cloud Analytics app.** In your tablet, install the HP Anywhere app from the Google Play Store or the App Store (iOS).
- Download the Cloud Optimization CAP. For the Cloud Analytics app to work out-of-thebox, you must install the Cloud Optimization CAP in Executive Scorecard. Download the Cloud Optimization CAP from the HPLN (https://hpln.hp.com/) site available under the Integration Content for Executive Scorecard community.
- 10. Install the Cloud Optimization CAP in HP IT Executive Scorecard.
- 11. **Deploy the Cloud Optimization CAP in Executive Scorecard.** For details, see Upload a CAP to the Executive Scorecard application in the *IT Executive Scorecard Administrator Guide*.
- 12. **Open the HP Anywhere app.** Launch the HP Anywhere app, enter the user/password from step 3 and the URL of the HP Anywhere server.
- 13. **Open the Cloud Analytics for Tablet app.** Go to the **My Apps** page and open the Cloud Analytics for Tablet app. If the app is not in My Apps, tap the catalog icon to open the catalog, and select and then enable the Cloud Analytics for Tablet app. For details, see *HP Anywhere Administrator Guide* and the *HP Anywhere User Guide*.

How to Use Cloud Analytics for Tablet

Note: This section audience is the Executive user.

Use the Cloud Analytics for Tablet app to display the information that helps you analyze your Cloud performance. This view provides enough information at a glance to make quick decisions and decide if you need to look at more data.

Your client home page (Cloud Analytics page) provides a summary of the reliability, agility, data privacy, financial information, elasticity, and vendor information related to your Cloud. You can then drill down to more detailed information about the Key Performance Indicators (KPIs), their values, statuses, trends, and performance over time.

From the Cloud Analytics page view, you can link directly to more details.

This section includes:

- "Prerequisites for Using the Cloud Analytics for Tablet App" below
- "Configure the App" on the next page
- "How to Use Cloud Analytics for Tablet" above
- "View Cloud Analytics Information in Depth" on the next page

Prerequisites for Using the Cloud Analytics for Tablet App

Before you can log in to HP Anywhere on your tablet for the first time, the installation procedure should have been performed. For details, see "Install and Configure Cloud Analytics for Tablet" on page 8.

You can now log in to HP Anywhere and use the Cloud Analytics for Tablet app from your tablet.

As a first time user, you need to initialize or complete some required settings on your tablet before you can continue. For details, see "Configure the App" on the next page.

You can view requests and perform request approval actions. For details, see "View Cloud Analytics Information in Depth" on the next page.

You can configure alerts to show on the Front Page of your tablet for issues you are tracking. For details, see "How to Use Cloud Analytics for Tablet" above.

Configure the App

To configure the app:

- 1. Tap the HP Anywhere icon.
- Enter the user, password, and URL of HP Anywhere (the first time you access the app).
- 3. The **My Apps** page displays a list of the apps installed on your Tablet and a toolbar.
- 4. Tap the Cloud Analytics icon to open the app. For details, see "View Cloud Analytics Information in Depth" below.



- 5. Tap to go back to the My Apps page from all the other pages.
- to access the Time Line. The Time Line page is related to HPA and is used for 6. Tap collaboration purposes. For details, see the Online Help (for Desktop) and HP Anywhere User Guide.

- to access the Participants box. The **Participants** page is related to HPA. For 7. Tap 🗠 details, see the Online Help (for Desktop) and HP Anywhere User Guide.
- 8. Tap 💭 to access the Settings page where you can customize the Cloud Analytics for Tablet app. For details, see "How to Use Cloud Analytics for Tablet" on the previous page.

View Cloud Analytics Information in Depth

The purpose of the Cloud Analytics app is to provide a high level view of your Cloud environment to help you manage your Cloud.

To view Cloud Analytics:

- 1. Tap the HP Anywhere icon.
- 2. Enter the user, password, and URL of HP Anywhere (the first time you access the app).

The top page of the app opens. Wait until the Cloud Analytics main page opens.

- 3. In the Cloud Analytics main page, view the 6 different aspects of Cloud analytics: Vendors, Cost, Elasticity, Reliability, Agility, and Data Privacy.
- Tap on each one of the areas to drill down to more information (see the next pages for more information).



If you need to view an even higher level of details for each of the KPIs and their Breakdowns, access the Executive Scorecard web application in the regular way.

The Cloud Analytics app displays data from the Amazon Web Services, HP Business Service Management, HP Cloud Service Automation, HP Network Automation, HP Server Automation, HP Service Manager, and vCenter Chargeback Manager.

If a data source is not available, the pie chart corresponding to the missing data source displays **No data**, and the graph corresponding to the missing data source is empty.

Cloud Analytics Page

The page presents a 360 view of a Cloud-based environment through the management of the following aspects: Vendors, Cost, Elasticity, Reliability, Agility, and Data Privacy.



The page shows a summary of each aspect. Click the aspect to drill down to details:

- **Reliability.** The page displays the overtime values of the % of Met SLAs for the current month. For details, see "Reliability Page" on page 17.
- Agility. The page displays the Time to Provision over time information for the current month. For details, see "Agility Page" on page 18.
- Data Privacy. This page displays the Non-Encrypted Traffic over time for the current month. For details, see "Data Privacy Page" on page 19.
- Financials. The page shows the Revenue and Service Cost over time for the current month. For details, see "Financials Page" on page 15.
- Elasticity. The page displays Elasticity details as breakdowns per resource provider between the usage and utilization per day. For details, see "Elasticity Page" on page 16.
- Vendors. The page displays the over time private and public spending for the current month. For details, see "Vendors Page" on the next page.

Vendors Page

To manage vendors, the Cloud Analytics app provides an answer to the following questions:

- How much does our organization spend on public and private Cloud vendors?
- Does the balance between Opex and Capex meet the organizational spending guidelines?



The page displays the over time private and public spending for the current month.

The lower part of the page shows the distribution of private and public spending per customer for the current month.

Measurements based on:	Data origin:
PRIVATE VS PUBLIC SPEND For details see "Customize Cloud Analytics " on page 20.	Billing statements from:
	Amazon
	• vmware (vCenter)
	Other Cloud providers

Financials Page

To manage cost, the Cloud Analytics app provides an answer to the following questions:

- What is the Cost, Revenue and Profit Margin of the services IT provides to the business?
- Does the pricing structure meet the demand patterns?



The page shows the Revenue and Service Cost over time for the current month.

The lower part of the page shows the breakdown of the SERVICE COST and REVENUE per service offering for the current month. The service cost data is obtained from CSA.

Measurements based on:	Data origin:
SERVICE COST	Amazon (Billing)
REVENUE For details see "Customize Cloud Analytics " on page 20	 vmware (vCenter Chargeback)
Tor details see Oustomize Gloud Analytics on page 20.	Other Cloud providers (Billing)

Elasticity Page

To manage elasticity, the Cloud Analytics app provides an answer to the following questions:

- How does our Cloud environment react to changes in demand?
- Does our Cloud environment allocate resources efficiently in a dynamic business environment?



The page displays Elasticity details as breakdowns per resource provider between the usage and utilization per day.

Additional details:

Measurements based on:	Data origin:	
USED INSTANCES	Amazon (Billing)	
UTILIZATION	• vmware (vCenter	
For details see "Customize Cloud Analytics " on page 20.	onargobaoky	

You can also access the relevant operational console such as the Amazon web services management console or the relevant operational system such as HP Business Service Management to display a full set of details on a specific domain.

Reliability Page

To manage reliability, the Cloud Analytics app provides an answer to the following questions:

- How reliable are the services IT provides to the business?
- Are the service consumers satisfied?



The page displays the overtime values of the % of Met SLAs for the current month.

The lower part of the page shows the breakdown of the % of Met SLAs per service name.

Measurements based on:		Data origin:
•	MET SLAs For details see "Customize Cloud Analytics " on page 20.	 HP Service Manager HP Business Service Management

Agility Page

To manage agility, the Cloud Analytics app provides an answer to the following questions:

- How agile is our Cloud environment?
- Does our operational structure supports innovation?



The page displays the Time to Provision over time information for the current month.

Measurements based on:	Data origin:
TIME TO PROVISION For details see "Customize Cloud Analytics " on page 20.	BSA (HP Server Automation)

Data Privacy Page

To manage data privacy, the Cloud Analytics app provides an answer to the following questions:

- What is the privacy level of our Cloud environment?
- Is our information secure?



This page displays the Non-Encrypted Traffic over time for the current month.

Measurements based on:	Data origin:	
NON ENCRYPTED TRAFFIC For details see "Customize Cloud Analytics " on the next page.	Real User Monitor (HP Business Service Management)	

Customize Cloud Analytics

After tapping 💭 you access the Settings page where you can customize the Cloud Analytics for Tablet app. The map of the pages accessible via the icons in the toolbar is as follows:



You can customize **Cloud Analytics** in the Cloud Analytics page by changing the default configuration of the Aspects, KPIs, and KPI Breakdowns displayed in the app.

Note that a user who makes changes to the Cloud Analytics app views the same changes on any tablet where the app is installed and that is accessed using the same user/password.

You can modify the contents of the page as follows:

- **<Page Name>.** You can customize the name of the page in the Cloud Analytics app. Default: **Cloud Analytics**.
- **<Aspect>.** The aspect configuration is as follows:

Aspect Display Label	You can customize the name of the aspect in the Cloud Analytics app.
KPIs XS	The name of the KPI in the Executive Scorecard application.
	Note: If you change the name of the KPI in the Executive Scorecard application, you must change the name of the KPI in the Cloud Analytics app to match the exact name of the KPI in the Executive Scorecard application so that the KPI displays data.
KPI1 Display	The display label of the KPI in the Cloud Analytics app.
Label	You can customize the name of the KPI in the Cloud Analytics app.
KPI1 Breakdown	The name of the breakdown KPI in the Cloud Analytics app.
Dicurcowi	The KPI Breakdowns displayed in the Aspects are accessed from the parent KPI so if you modify the KPI Breakdown in the Executive Scorecard application, the change is reflected in the Cloud Analytics app.
	Some of the KPI Breakdowns (in the Vendors aspect) are accessed directly in the Cloud Analytics page.

Where:

Aspect	Contents	Default value and comments
RELIABILITY	Aspect Display Label	RELIABILITY
	KPIs XS	 % of Met SLAs KPI. The KPI has a monthly periodicity. For details, see % of Met SLAs in the <i>IT Executive Scorecard</i> <i>Content Reference Guide for the Integration with</i> <i>HP Business Service Management</i> and in the <i>IT Executive</i> <i>Scorecard Content Reference Guidefor the Integration with</i> <i>HP Service Manager.</i>
	KPI Display Label	MET SLAS
	KPI Breakdown	MET SLAS per customer.
AGILITY	Aspect Display Label	AGILITY
	KPIs XS	Average Time to Provision a Node KPIThe KPI has a monthly periodicity.For details, see Average Time to Provision a Node KPI in the IT Executive Scorecard Content Reference Guide for the Integration with HP Server Automation and HP Network Automation.
	KPI Display Label	TIME TO PROVISION
	KPI Breakdown	No breakdown available for this component.

Aspect	Contents	Default value and comments
Data Privacy	Aspect Display Label	Data Privacy
	KPIs XS	 % of Non-Encrypted Traffic KPI. The KPI has a monthly periodicity. For details, see % of Non-Encrypted Traffic KPI in the <i>IT</i> Executive Scorecard Content Reference Guide for the Integration with HP Business Service Management.
	KPI Display Label	NON-ENCRYPTED TRAFFIC
	KPI Breakdown	No breakdown available for this component.
Financials	Aspect Display Label	Financials
	KPIs XS	 Total IT Service Costs and Total IT Service Costs KPIs. The KPIs have a monthly periodicity. For details, see Total IT Service Cost KPI and Total Revenue of Services KPI in the <i>IT Executive Scorecard</i> <i>Content Reference Guidefor the integration with HP Cloud</i> <i>Service Automation</i>
	KPI Display Label	SERVICE COST and REVENUE
	KPI Breakdown	 SERVICE COST per customer. REVENUE per customer.

Aspect	Contents	Default value and comments
Elasticity	Aspect Display Label	Elasticity
	KPIs XS	 Number of Hybrid Cloud Instances and % of Server Utilization KPIs. The KPIs have a daily periodicity.
		For details, see Number of Hybrid Cloud Instances KPI and % of Server Utilization KPI in the <i>IT Executive</i> <i>Scorecard Content Reference Guide for the Integration</i> <i>with Amazon Web Services and vCenter Chargeback</i> <i>Manager.</i>
	KPI Display Label	USED INSTANCES and UTILIZATION
	KPI Breakdown	 USED INSTANCES per customer per month. UTILIZATION per customer per month.

Aspect	spect Contents Default value and comments	
Vendors	Aspect Display Label	Vendors
	KPIs XS	 Public vs Private Cloud Spending KPI. The KPI has a monthly periodicity. For details, see Public vs Private Cloud Spending KPI in the IT Executive Scorecard Content Reference Guidefor the Integration with CSA.
	KPI Display Label	PRIVATE VS PUBLIC SPEND
	KPI Breakdown	 Private Spending per customer Public Spending per customer The KPI Breakdowns displayed in the Vendor page are the only KPI Breakdowns that are accessed directly in the Cloud Analytics app, so you can change the name of these KPI Breakdowns in the Cloud Analytics app. If you change the name of these KPI Breakdowns in the Executive Scorecard application, make sure to match the names in the configuration of the Vendors page.

Release Notes for Cloud Analytics for Tablet

What's New in Version 1.00

Executive Scorecard includes mobile capabilities, powered by HP Anywhere provides you with the capability to analyze your Cloud performance from your iPad tablet (Cloud Analytics for Tablet).

Note: The latest version of the app is available in HP Live Network.

Support Matrix

Executive Scorecard version	Cloud Analytics for Tablet version	HP Anywhere version
9.40	1.00	10.02
Platform:iOS 6.00	Platform:	(https://hpln.hp.com/group/hp- anywhere)
	• iOS 6.00	

Localization

The Cloud Analytics for Tablet app currently only supports the English language.

Notes and Limitations

Limitation: When a KPI or KPI Breakdown has no data for the latest display period, the graphs representing the KPI or KPI Breakdown values display an approximation of the last period when the KPI or KPI Breakdown had data. This limitation also occurs in the past. (QCCR164094)

If, for example, a KPI or KPI Breakdown has no data in the current month (for example June) because of calculation failure or no data issues but had data in May, the graphs representing the KPI or KPI Breakdown display an approximation of the values of the KPI or KPI Breakdown in May.

If, for example, a KPI or KPI Breakdown was calculated for the full year period but has no data in a past month (for example, January and February) because of calculation failure or no data issues, but had data in March, the graphs representing the KPI or KPI Breakdown in January and February display an approximation of the values of the KPI or KPI Breakdown in March.

Limitation: You cannot access the Settings page from within the Cloud Analytics app (QCCR164239)

If you have already opened the Cloud Analytics app and you did not previously access the Settings page (before opening the app), you cannot access the Settings page from within the app.

Workaround:

- 1. Close the Cloud Analytics app.
- 2. Open the My Apps page and click 💭 to access the Settings page

Limitation: A zero value is displayed in the overtime charts of the Cloud Analytics app for each past period when the KPI was not calculated but the KPI was calculated at a later period (QCCR1A164283)

If, for example, a KPI was not calculated in January and February but was calculated and has results in the later periods beginning from March then the overtime graph displays a zero value for this KPI in January and February.

A page from activated CAPs is not listed in the Settings menu of the XS app on tablet or smartphone until the page is first opened in the XS application Dashboard

We appreciate your feedback!

If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Cloud Analytics for Tablet, 1.00 Getting Started with Cloud Analytics on Tablet powered by Executive Scorecard

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to SW-Doc@hp.com.



