

Sandbox Ambari Hive View:

The screenshot shows the Ambari Hive View interface in a browser window. The browser's address bar displays the URL `localhost:8080/#main/services/HIVE/summary`. The Ambari header includes navigation tabs for Dashboard, Services, Hosts (with a red indicator), Alerts, and Admin, along with a user profile for 'admin'. A left-hand sidebar lists various services, with 'Hive' selected and marked with a red '1' icon. The main content area is divided into 'Summary' and 'Config' tabs, with 'Summary' active. It displays a list of services and their status:

- [Hive Metastore](#) Started
- [HiveServer2](#) Started
- [MySQL Server](#) Started
- [WebHcat Server](#) Started
- [Hive Client](#) 1 Hive Client Installed

A dropdown menu is open on the right side of the interface, listing navigation options: YARN Queue Manager, HDFS Files, Local Files, Hive (highlighted), Pig, Storm, Tez View, and Zeppelin. At the bottom of the page, there is a footer with the text: "Licensed under the Apache License, Version 2.0. See third-party tools/resources that Ambari uses and their respective authors." The Windows taskbar at the bottom shows the system time as 4:57 PM on 2/9/2016.

Hive Query Editor (SQL and Results for PHONE_NUMBER):

The screenshot displays the Ambari Hive Query Editor interface. The top navigation bar includes 'Dashboard', 'Services', 'Hosts', 'Alerts', and 'Admin'. The main content area is divided into several sections:

- Database Explorer:** Shows the 'xademo' database selected. A search box is available for finding tables.
- Query Editor:** Contains a worksheet with the following SQL query:

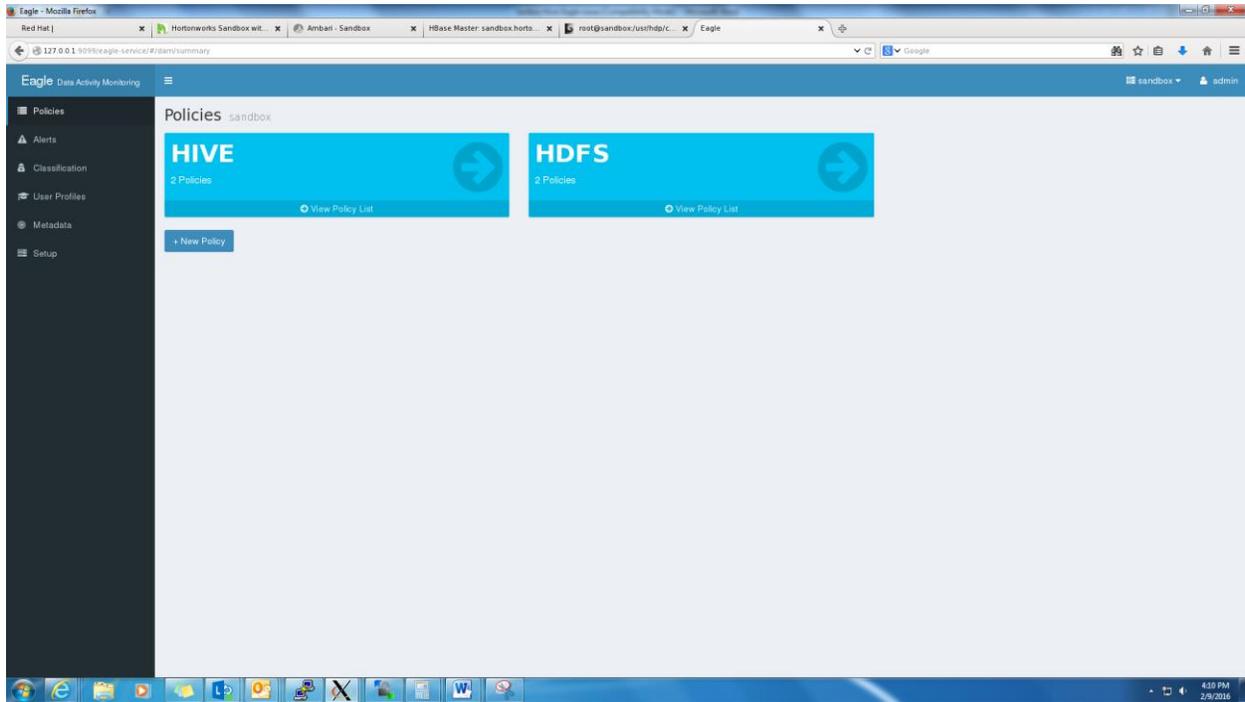
```
1 | SELECT phone_number FROM customer_details LIMIT 5;
```

Buttons for 'Execute', 'Explain', 'Save as...', and 'New Worksheet' are located below the editor.
- Query Process Results (Status: Succeeded):** Shows the results of the query. The 'Results' tab is active, displaying a table with the following data:

phone_number
PHONE_NUM
5553947406
7822112093
5092111043

The bottom of the image shows the Windows taskbar with various application icons and the system clock indicating 4:59 PM on 2/9/2016.

Eagle UI:



Hive policy for PHONE_NUMER access in Eagle:

The screenshot shows the Eagle Policy Edit interface in a browser window. The interface is divided into four steps: Step 1 (Select Data Source), Step 2 (Select Stream), Step 3 (Define Alert Policy), and Step 4 (Configuration & Notification). Step 4 is currently active and shows the following configuration:

- Policy Name:** queryPhoneNumber
- Alert De-Dup Interval(min):** 0
- Email De-Dup Interval(min):** 0
- Enabled:**

Below the main configuration, there are fields for:

- Advanced De-Dup:** (empty)
- Sender:** nobody@test.com
- Recipients:** nobody@test.com
- Subject:** just for test
- Description:** query sensitive hive data

At the bottom, there is a "View Query" section with a text area containing the following Hive query:

```
from hiveAccessLogStream (sensitivityType == "PHONE_NUMBER") and (command == "SELECT") select * insert into outputStream
```

The interface includes a "Prev" button and a "Done" button at the bottom right. The browser window shows the URL: `127.0.0.1:8099/eagle-service#/dampolicyE65YEXDx..._s3AP_6v97ymt_Nb5AM09Hb-ayCZ6x30Yxv59hCZQ40Dve-7_Mq0IGQ`. The system tray at the bottom indicates the time is 4:33 PM on 2/9/2016.

No Alerts are generated for PHONE_NUMBER access via HIVE:

