Lockbox - How To Guide

30 Steps View most recent version

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Welcome 30 Steps

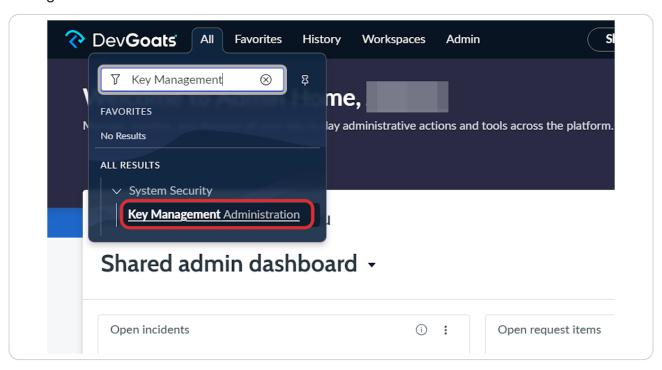
This document covers the installation guide of the application, including a default configuration of the "incident" table that allows you to enter secure data and set access to that data via the ITIL role policy. Granted, the ITIL role is just for demo purposes and in this case we are assuming itil users would be the ones that are allowed to see secure data. As always, consult with your internal security team on proper procedures for secure data access.

STEP 1

Let's Setup the Key Management Administration

To proceed, the "security_admin" role is required to access this page. Access into this module is required as we'll be creating a new key management crypto module along with access policies.

Navigate to the "ALL" menu filter navigator, and search "Key Management". Select "Key Management Administration".

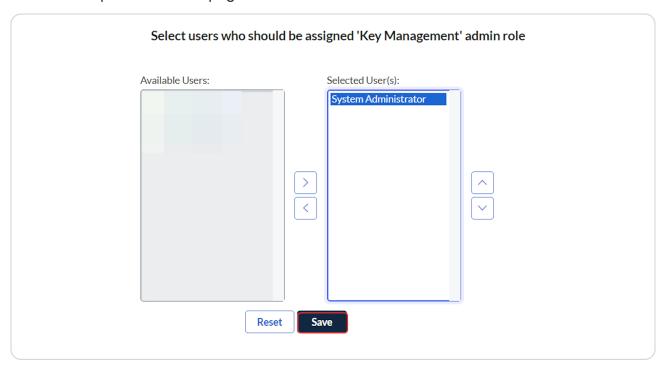




Select the user account that will configure the module and access policies.

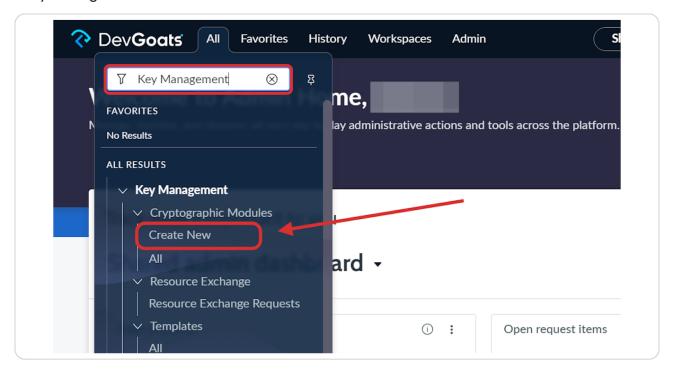
In this demo, we're using the System Administrator account to grant access to the Key Management Framework.

Pick the account as shown and "Save" the record. After save, navigate back to your ServiceNow platform homepage.



Let's setup the Crypto Module and Access Policies

Back on the ServiceNow platform home page, navigate to your filter navigator and type "Key Management". Click "Create New"



STEP 4

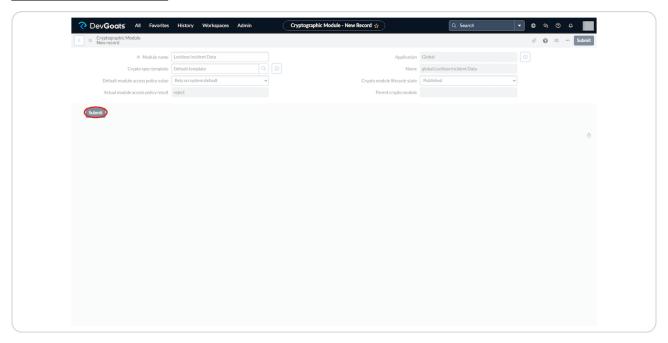
Configure the record

Remember, we are starting with the incident table for this data. So, we're calling this module "incident_data". Note, the name has to be all one word and lowercase, you may use underscores.

Configure the other fields as shown.



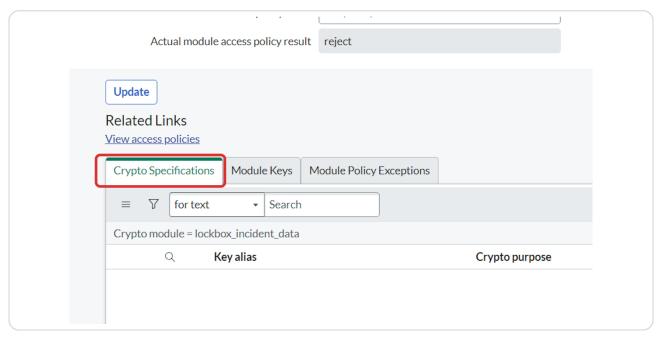
Submit the record



STEP 6

Setup the Crypto Specifications

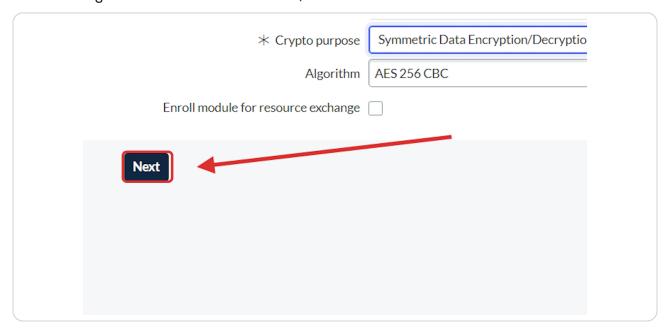
Click the "New" button. Confirm you are on the "Crypto Specifications" tab.





For each section, we'll enter the details as shown in the screenshots.

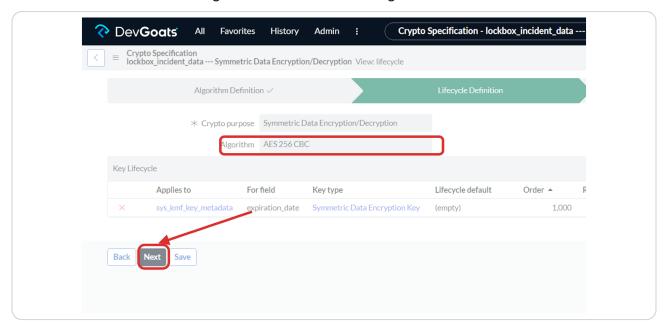
After setting the follow values as shown, click next.



STEP 8

Configure Step 2

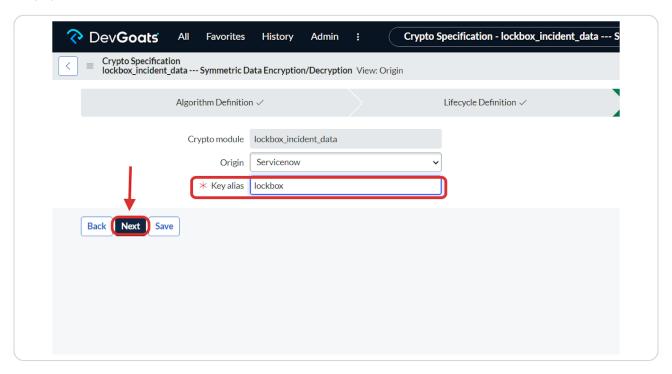
Choose the AES 256 CDC Algorithm. After confirming, choose "Next"





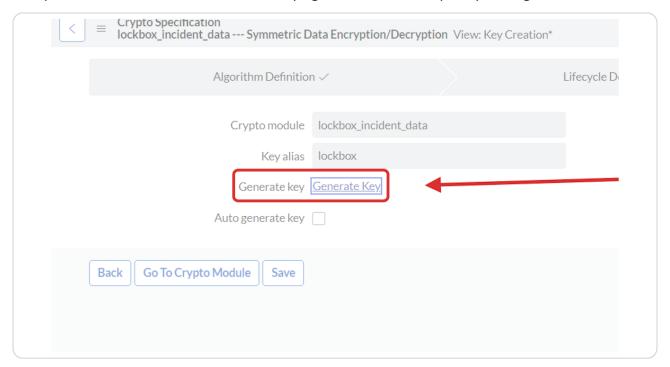
Configure Step 3

For the "Key Alias", choose a name to identify the source. We choose lockbox so we know the app is using that module to encrypt our secure entries. After the name is set, choose "Next".



Configure Step 4

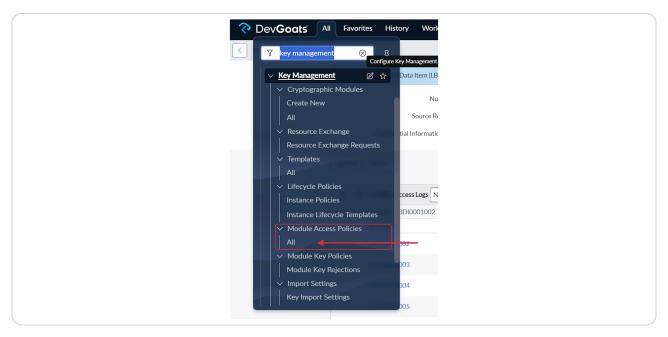
Click on Generate Key and Save. Once you generate a key, this setup action is now complete. Continue back to the home page for the access policy configuration.





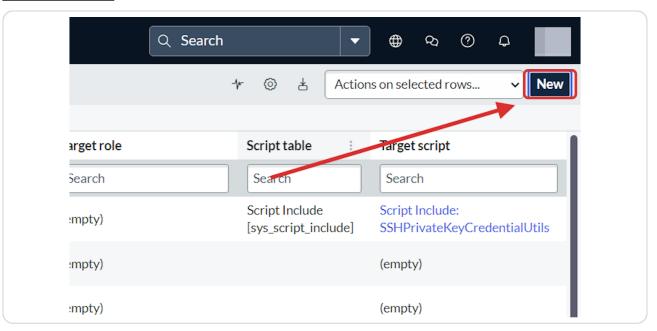
On the home page, in the filter navigator. Type "Key Management". You will see a list of options.

Choose "All" under the Module Access Policies



STEP 12

Click on New





Configure the Access Policy

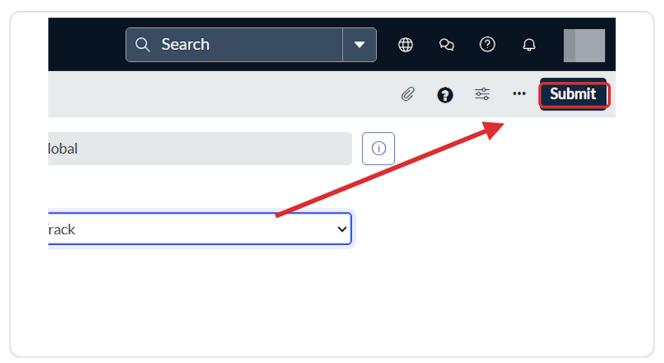
Configure your access policy as shown.



STEP 14

Confirm Configuration

Once you have confirmed configuration, save the record.

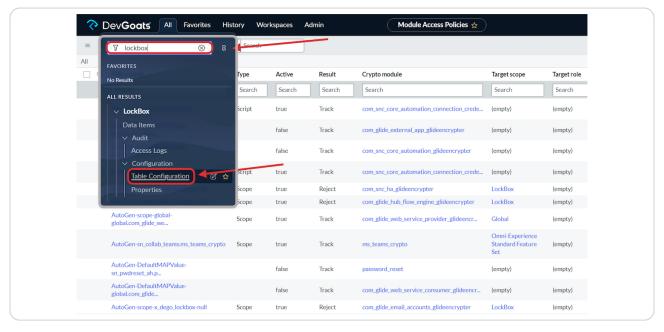


NOTE! We are configuring the "incident" table for this product setup/demo. You may create a entry for any table as you desire by repeating the below steps.



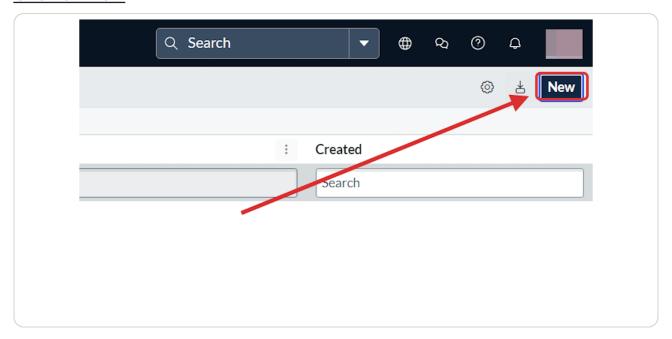
Setup the Table Configuration within the LockBox Application.

This will enable the UI Action (button) to be displayed on the incident table. Type LockBox in the filter navigator then select "Table Configuration".



STEP 16

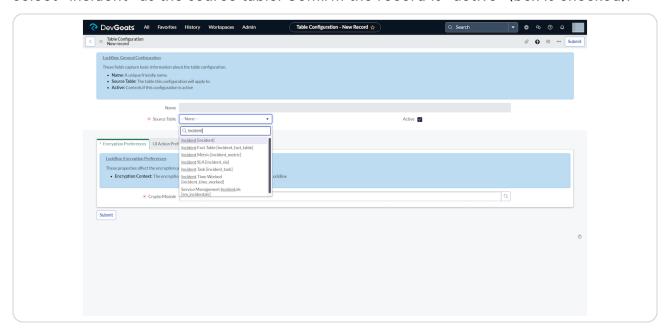
Click on New





Configure Form

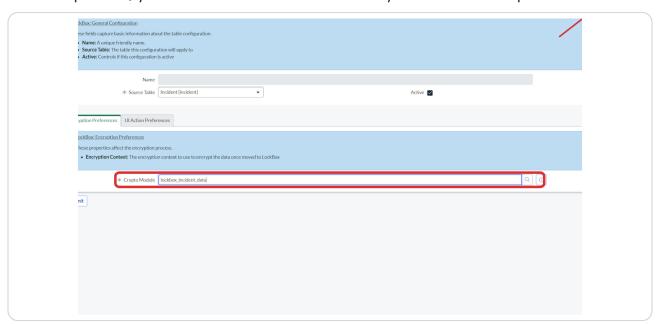
Select "incident" as the source table. Confirm the record is "active" (box is checked).



STEP 18

Select the Crypto Module to be associated with the table configuration.

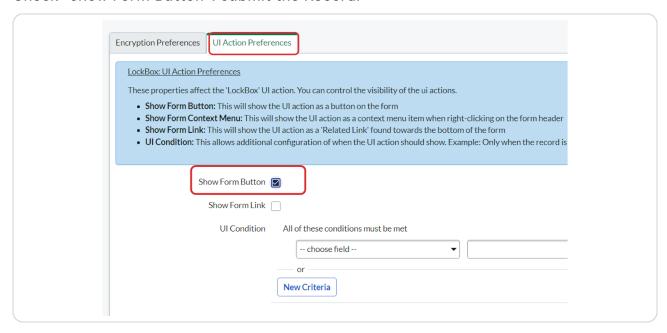
This is important, you must select the same module you created in steps 3 - 5.





Click on UI Action Preferences Section

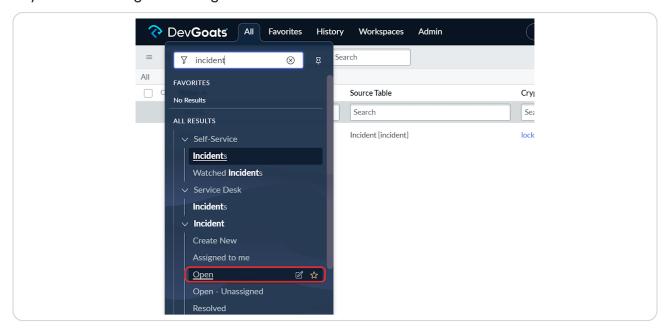
Check "Show Form Button". Submit the Record.



STEP 20

Let's test our configuration

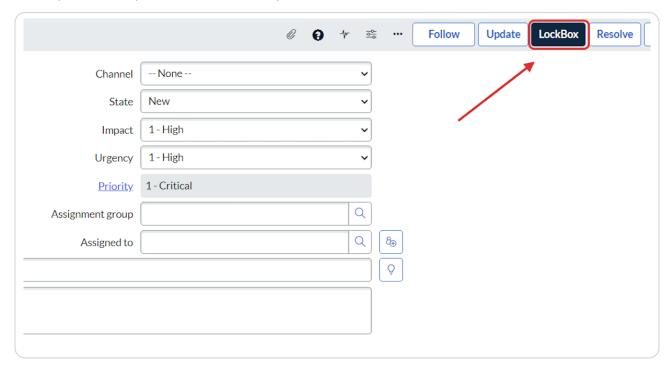
In your filter navigator. Navigate to the incident list.





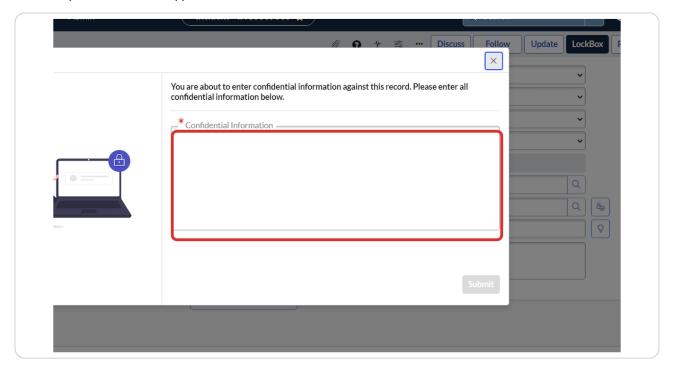
Find a "active" or (open) incident.

Once you have opened an incident, you will notice the new button named "LockBox".



Click on the LockBox Button

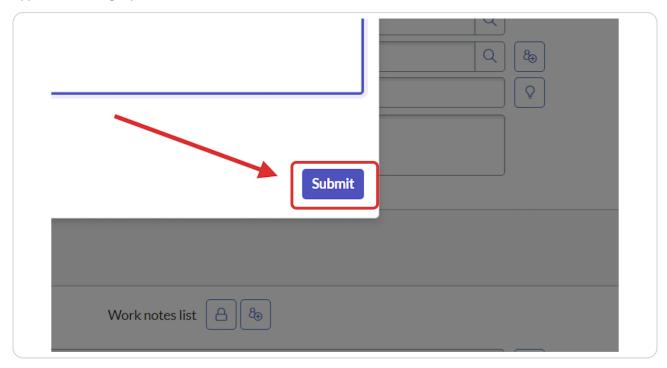
Once you have the modal open, you may type your sensitive information that will be stored securely within a encrypted record.





Message Input

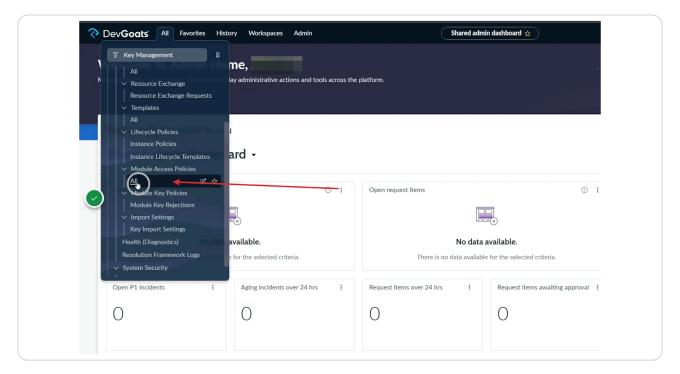
Type a message you would like secured. Choose Submit when done.



NOTE: You cannot view the saved data until we configure the next steps to setup a new access policy that will grant users with the ITIL role to view the secure data. Note, for this demo we are choosing the ITIL role. Confirm with your System Administration or Security team to see which role needs access to view the secure data.

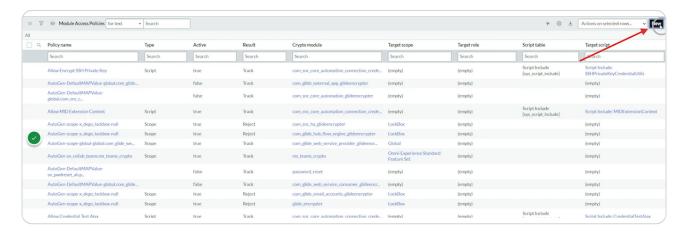
Create new ITIL Access Policy

Search "Key Management" in your filter navigator. Find the "All" menu option under the Module Access Policies



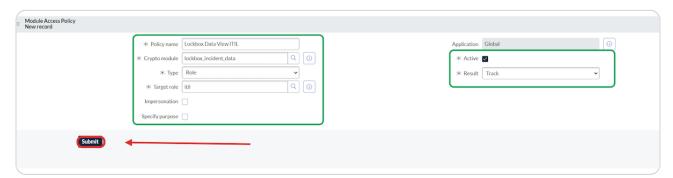
STEP 25

Click Create New



Configure Record as shown

This example we are setting the ITIL role to be able to access the secure entries under our 'lockbox_incident_data' module. Once you have configured the record as shown below, submit the record.



NOTE: Since you have modified access policies you must logout of ServiceNow and log back in for the access to take effect.

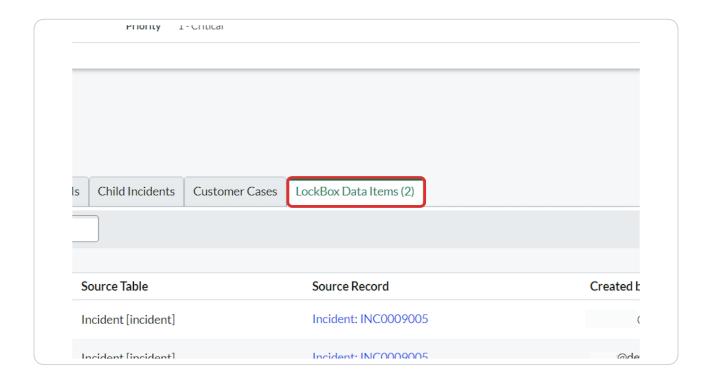
STEP 27

Let's revisit our previous incident.

Once you have logged out of ServiceNow, and reauthenicated back in. You may navigate back to the previous incident where we stored our new secure message.

Viewing the saved data

On the incident record you previously added a new entry to. Confirm you have a tab/list of "LockBox Data Items" on the bottom of the record as shown.

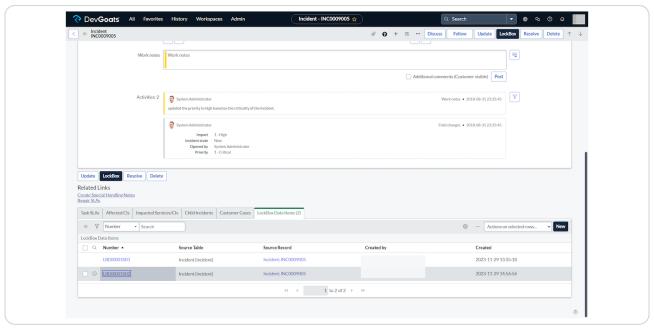


If the related list does not show the Lockbox Data Items as shown above, please follow the configuration steps as found here: https://docs.servicenow.com/bundle/vancouver-platform-user-inter-face/page/use/using-forms/task/t_SelectRelatedRecords.html
The list name will be "LockBox Data Items".



Find the most recent entry to view the record/data that you have saved.

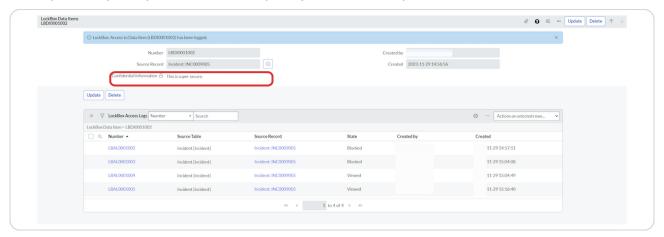
Note: Access to view this record will be dependent on the module access policies. By default, no one has access to the record. We fixed that by configuring the ITIL Access Policy above. You must repeat this process or any custom role or access policy you would like to grant.



STEP 30

Open the Secure Entry

You can see the secure data is now available as the user viewing the record as the ITIL role as required by the previous access policy that we setup.



Note: The access logs will help show who has viewed that record. The data is hidden in the demo for privacy reasons.



