Fortanix®

Integration Guide

USING FORTANIX DATA SECURITY MANAGER WITH SERVICENOW

VERSION 1.0

Fortanix, Inc. | 3910 Freedom Circle | Suite 104 | Santa Clara, CA 95052 | United States of America | +1 (650) 943-2484 |
info@fortanix.com | www.fortanix.com

1.0 INTRODUCTION 2
1.1 Purpose 2
1.2 Intended Audience 2
2.0 FORTANIX DATA SECURITY MANAGER 2
3.0 PREREQUISITES 2
4.0 SETTING UP SERVICENOW INSTANCE 2
5.0 SETTING UP THE FORTANIX DATA SECURITY MANAGER 2
6.0 DOCUMENT INFORMATION 7
6.1 Document Location 7
6.2 Document Updates 7

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this article is to describe the methods to configure and integrate **Fortanix Data Security Manager SaaS (DSM SaaS)** solution with a **ServiceNow instance for Customer managed encryption keys**.

1.2 INTENDED AUDIENCE

The intended audience of this document includes Fortanix Sales Engineers, Field and Technical Support Engineers, and Customer Architects and Engineers who want to learn and understand how to implement the Fortanix DSM with ServiceNow.

2.0 FORTANIX DATA SECURITY MANAGER

Fortanix DSM is the world's first cloud solution secured with Intel® SGX. With Fortanix DSM, you can securely generate, store, and use cryptographic keys and certificates, as well as secrets, such as passwords, API keys, tokens, or any blob of data.

3.0 PREREQUISITES

- An account on Fortanix DSM SaaS.
- ServiceNow instance with Database Encryption and Customer-Controlled Switch feature. Refer https://docs.servicenow.com/bundle/tokyo-platform-security/page/administer/encryption-database/concept/dbe-css.html

4.0 SETTING UP SERVICENOW INSTANCE

Please refer to ServiceNow documentation on how to set up your ServiceNow instance and enable external KMS functionality.

5.0 SETTING UP THE FORTANIX DATA SECURITY MANAGER

1. Sign up at https://smartkey.io/.
2. Log in to the Fortanix DSM UI.
3. Click the **Integration** tab in the left panel.
4. On the Integration page, click **ADD INSTANCE** on the ServiceNow wizard.

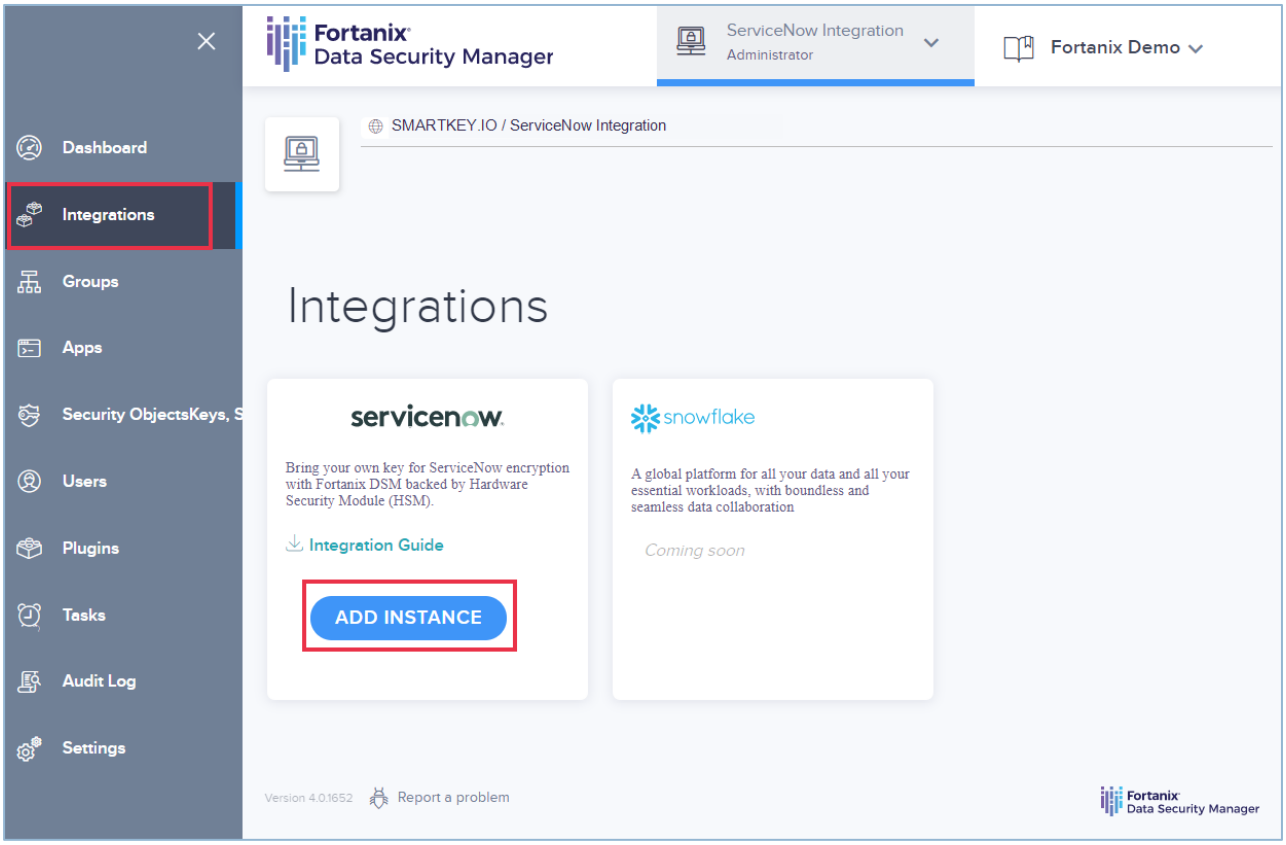

FIGURE 1: INTEGRATION TAB

5. Enter the details as shown in the following screenshot.

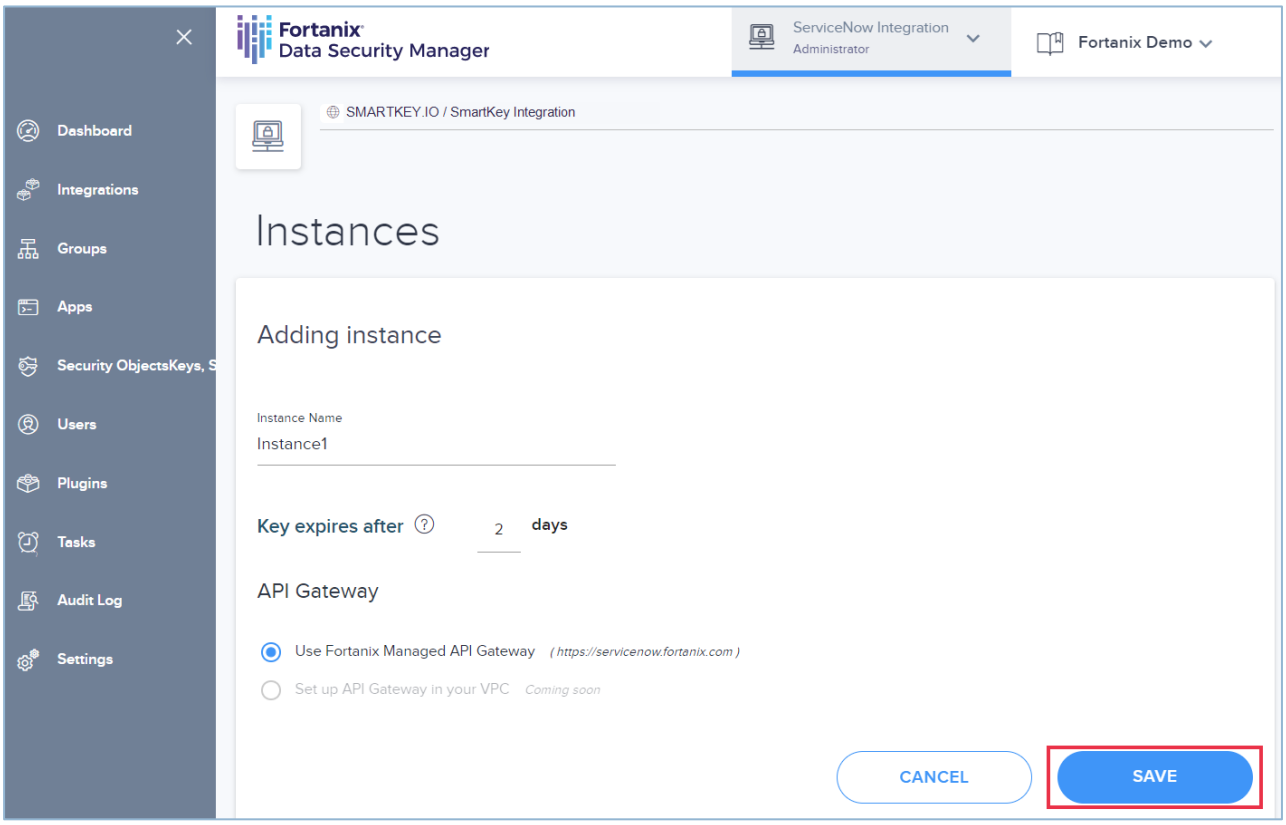

FIGURE 2: SERVICENOW DETAILS

a. **Instance Name**: This is your active ServiceNow instance name. Please provide the exact instance name. Any error in the name may result in unsuccessful integration.
b. **Key expires after**: Enter the period after which the key expires.
c. **API Gateway**: Use Fortanix managed API gateway. Option to set up your own API Gateway is coming soon.

6. Click **SAVE** to complete creating the application.
7. You can view all the instances by clicking **View All** on the integration wizard.

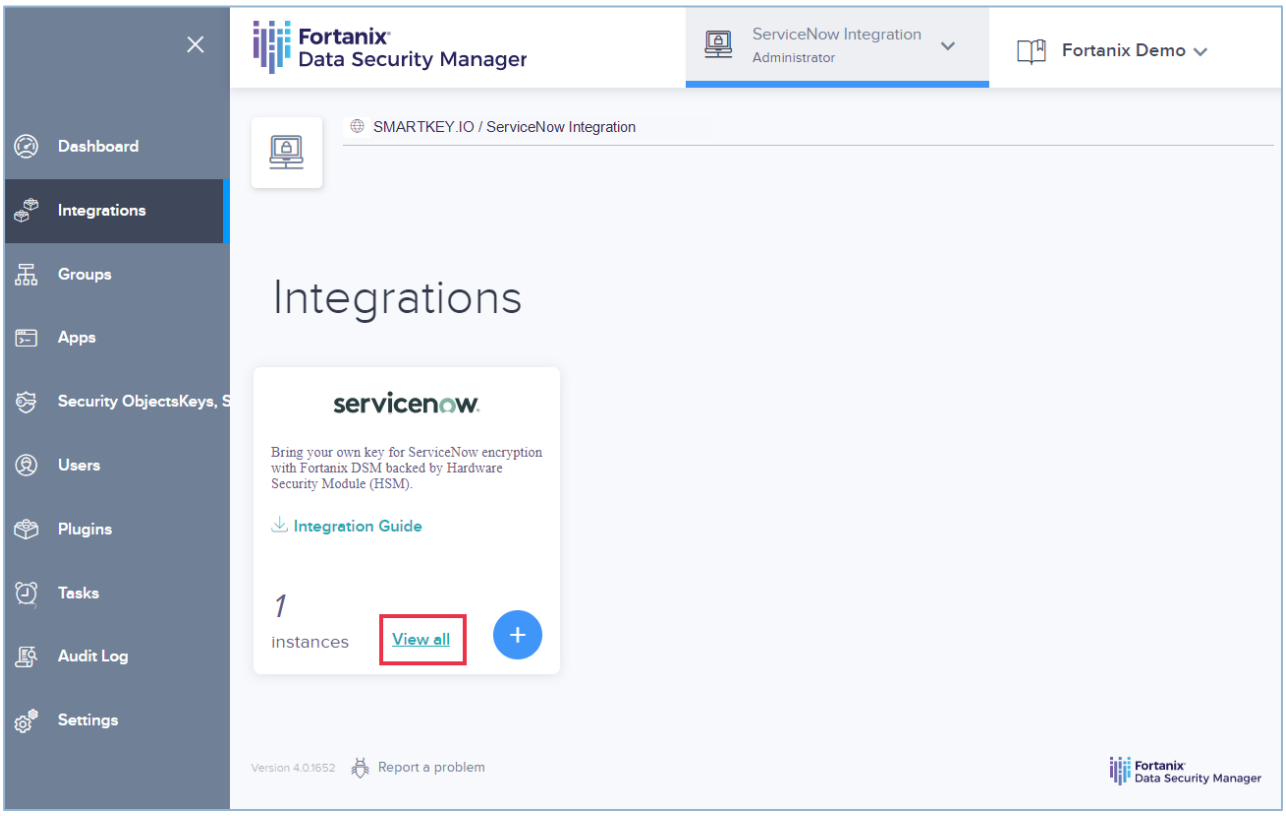

FIGURE 3: VIEW ALL INTEGRATIONS

8. To edit the **Key Expiry Duration**, click the Edit icon for a ServiceNow instance.

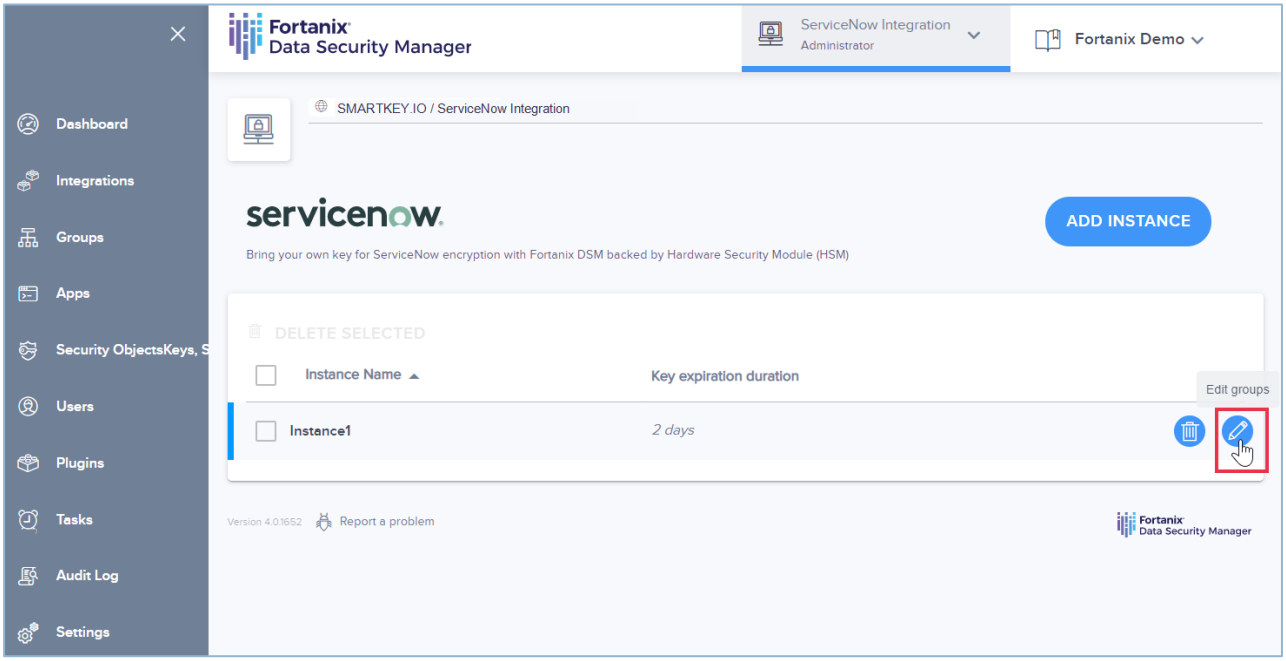

FIGURE 4: EDIT INSTANCE

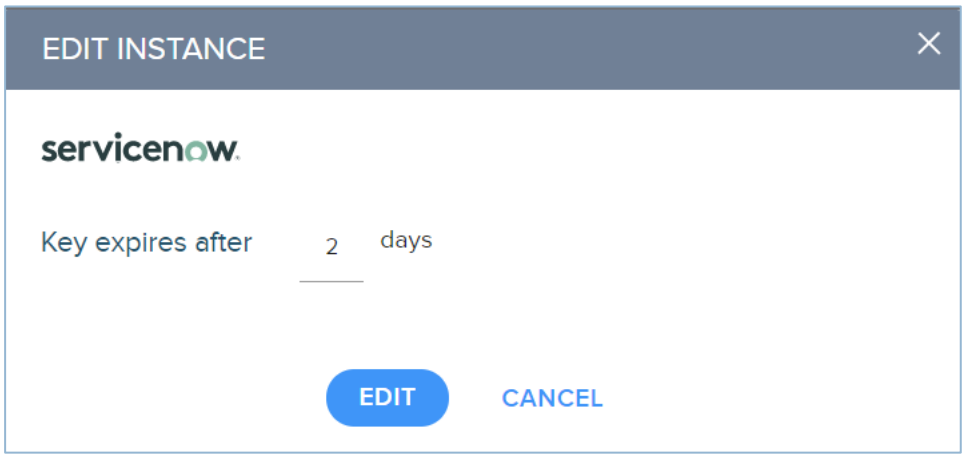

FIGURE 5: EDIT KEY EXPIRATION PERIOD

9. After the setup, please contact ServiceNow support (support@servicenow.com) and provide your endpoint in the following format:
   *https://servicenow.fortanix.com/kek/**<instance name>/<key_version>***.
   The service now Support team will then enable the Customer Control Switch for your instance.

6.0 DOCUMENT INFORMATION

6.1 DOCUMENT LOCATION

The latest published version of this document is located at the URL:
https://support.fortanix.com/hc/en-us/articles/4404181731732-Using-Fortanix-Data-Security-Manager-with-ServiceNow

6.2 DOCUMENT UPDATES

This document will typically be updated on a periodic review and update cycle.
For any urgent document updates, please send an email to: support@fortanix.com

© 2016 – 2022 Fortanix, Inc. All Rights Reserved.
Fortanix® and the Fortanix logo are registered trademarks or trade names of Fortanix, Inc. All other trademarks are trademarked by their respective owners.

NOTICE: This document was produced by Fortanix, Inc. (Fortanix) and contains information which is proprietary and confidential to Fortanix. The document contains information that may be protected by patents, copyrights, and/or other IP laws. If you are not the intended recipient of this material, please destroy this document and inform info@fortanix.com immediately.