XACK Inc.

Procedure for Deploying Evaluation XACK DHCP on Amazon AWS

Thank you for your review of XACK products.

We will guide you through the installation procedure of XACK DHCP on Amazon AWS.

◆ Affected products
XACK DHCP

◆ Evaluation Period
Base license: 1 month in principle
Tester license: 2 weeks in principle
* Long-term issuance is also possible, such as campaign application. Please contact our staff.

◆ Operating environment
Amazon EC2 instance t2.medium or higher

◆ Deployment Procedure
1. Please contact us to obtain a license file.

2. Open the Amazon EC2 console (https://console.aws.amazon.com/ec2/).

3. In the navigation bar at the top of the screen, the current AWS Region is displayed, and you can choose the region in which you want to launch the instance.
Currently, AMIs are published in ap-northeast-1 (Tokyo), ap-northeast-3 (Osaka), and us-east-1 (N. Virginia), so if you select a region other than these, you will not be able to perform operations after item 5. If you wish, we can publish to other regions, so please let us know.

4. On the Amazon EC2 console dashboard, choose Launch Instance.

5. Under Application and OS Images (Amazon Machine Image), choose (Browse other AMIs), select (AWS Marketplace AMI (xxxxx)), enter "XACK DHCP" in the upper search window, and enter [XACK DHCP] will be displayed, so select it.

6. You will be prompted to confirm your subscription, but it will be a subscription to use AlmaLinux with XACK DNS installed. Select "Subscribe at instance launch" or

"Subscribe now".

7. For Instance type, choose an instance type that is t2.medium or greater.

8. Under Key pair (login), for Key pair name, choose an existing key pair or create a new one.

9. Under Network settings, under Firewall (**security groups**), chooseSelect or create the appropriate security group. By default, it is a setting that can be used without problems when creating a security group. Please note that depending on the settings, it is not possible to send DHCP requests to XACK DHCP from the outside.

10. In the Overview panel, choose Launch instance.

11. Start your browser and access the following URL.
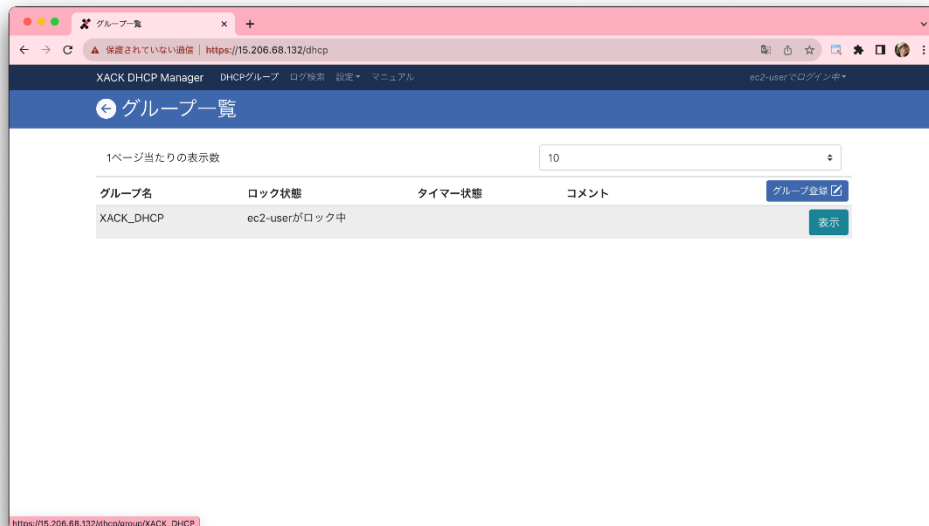   https:// Public IPv4 address of the launched instance/

12. Log in to the
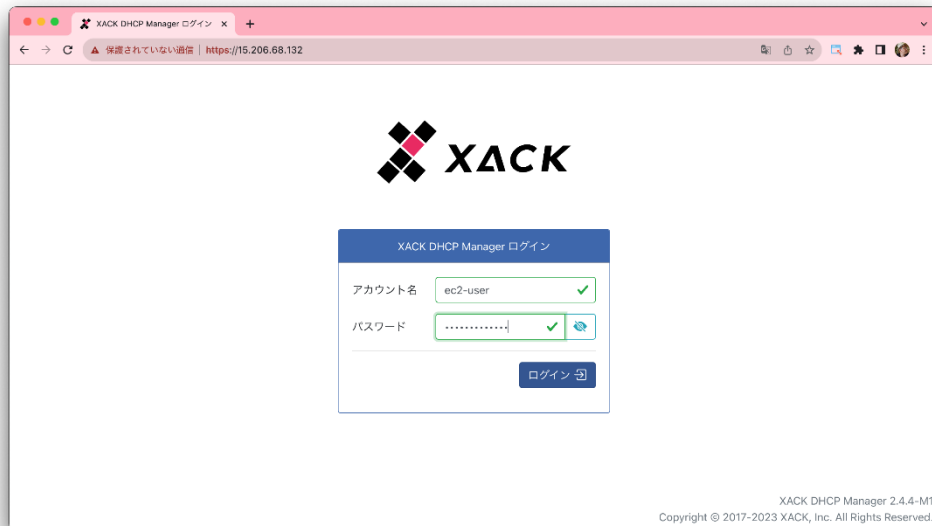
username where ec2-user

and password are the instance ID of the instance you launched

.
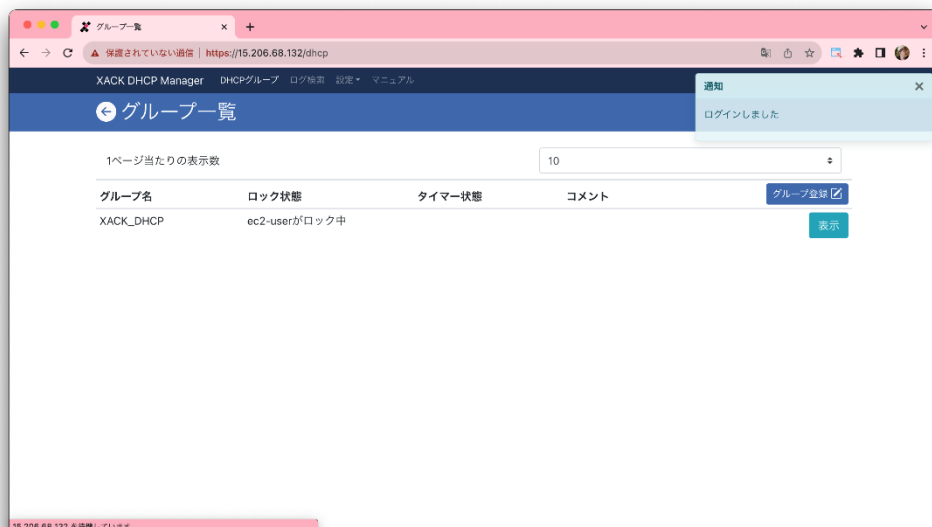
13. Display DHCP GroupsPress

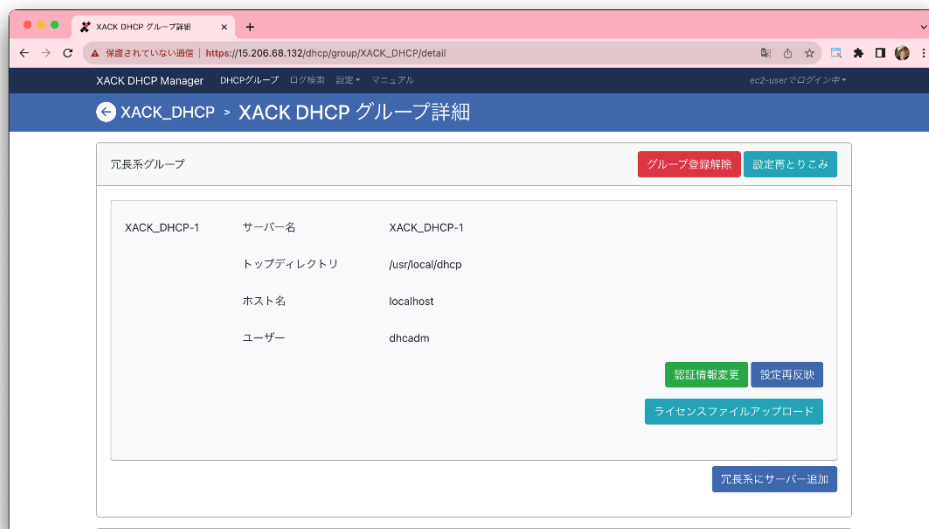the [View] button to the right of the group name "XACK_DHCP".

"XACK_ DHCP Group" is displayed.
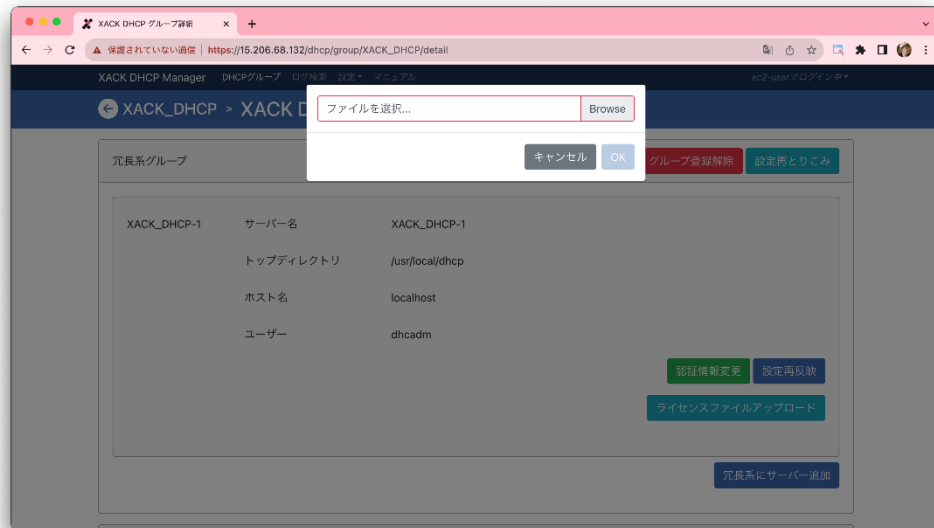
14. Install the license file:
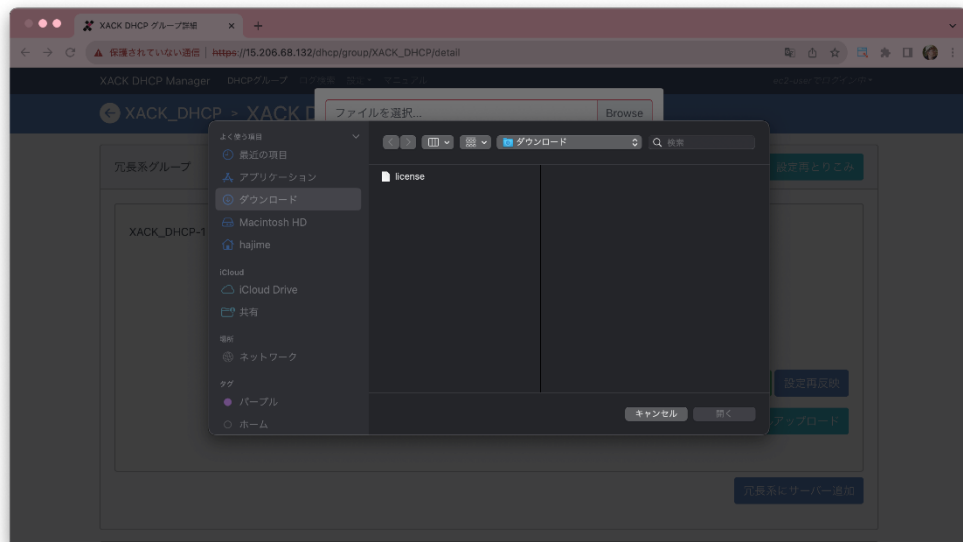

Press the [⚙] button .　This is the

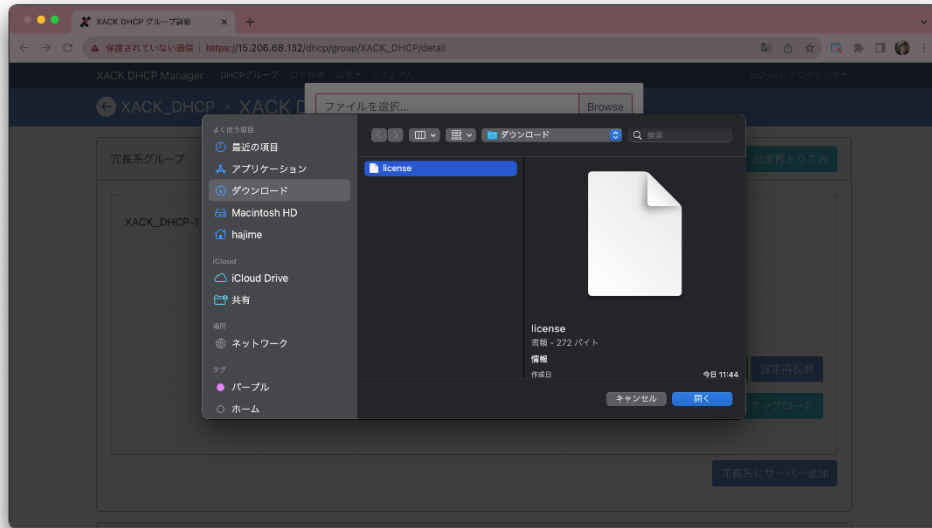"XACK_ DHCP Group Details" screen.

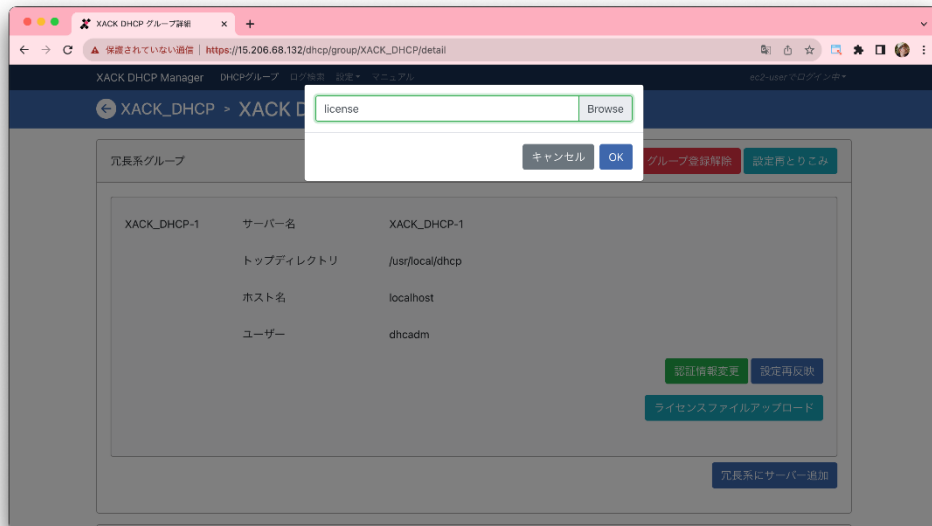To install the license file, click the [Upload License File] button.

Press the [Browse] button to display the file selection screen.

(The file selection screen differs depending on the OS.) The figure above shows the file selection screen of macOS. Specify

the license file received in paragraph 1 from the file selection screen.

Confirm that the file name of the file you just specified is listed in the pop-up window, and then press the [OK] button.
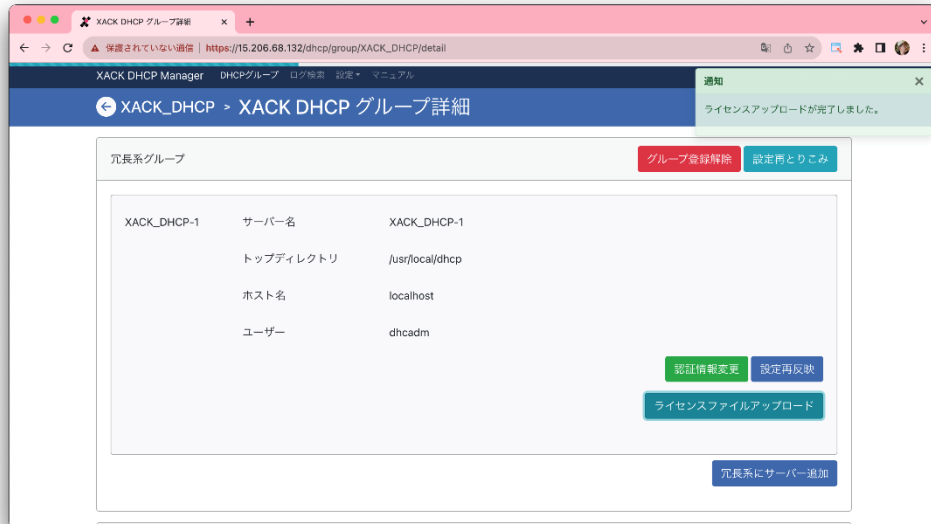
If the message "License upload completed" is displayed in the upper right corner, the installation of the license file has been successful. If you see anything else, the license file may be corrupted or you may have selected the wrong file, so please check again and contact us if the situation does not change.

By pressing the [XACK_DHCP] button on the left side of "XACK DHCP Group Details", "XACK_ DHCP Group" is displayed.

15. Change Server_ID Settings: Press

the [Basic Settings] button on the "XACK_ DHCP Group" screen.
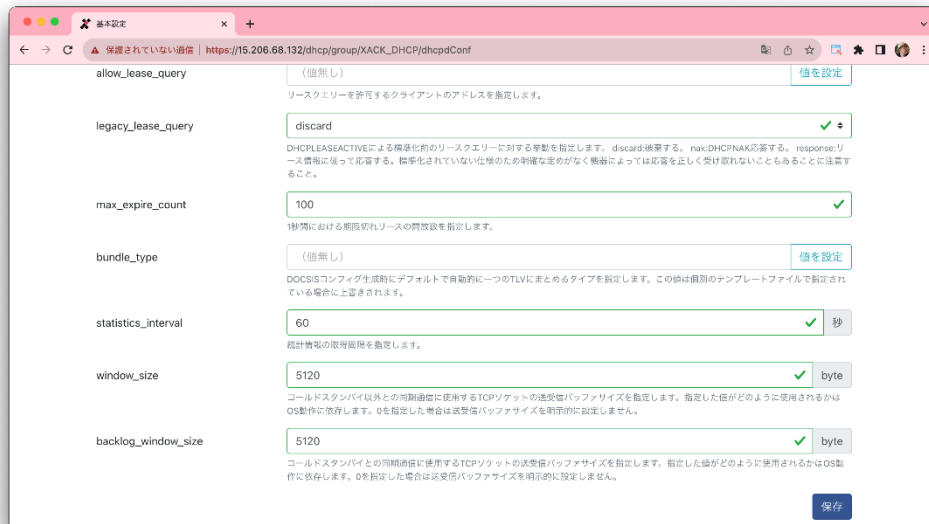
This is the "Basic Settings" screen.

Scroll down to the setting of "s erver_id" and set the private IPv4 address of the launched instance. Scroll


again and press the [Save] button at the bottom.

I return to the "XACK DHCP Group" screen, but "Basic Settings" is displayed as "Not Reflected" in red due to pressing the [Save] button earlier. The current state is that the settings have been made on the GUI (XACK DHCP Manager) side, but they have not been reflected in the DHCP server (XACK DHCP).

Click the [Diff Display/Reflect] button at the bottom right.

The difference will be displayed, and you can choose whether to keep it or discard it.
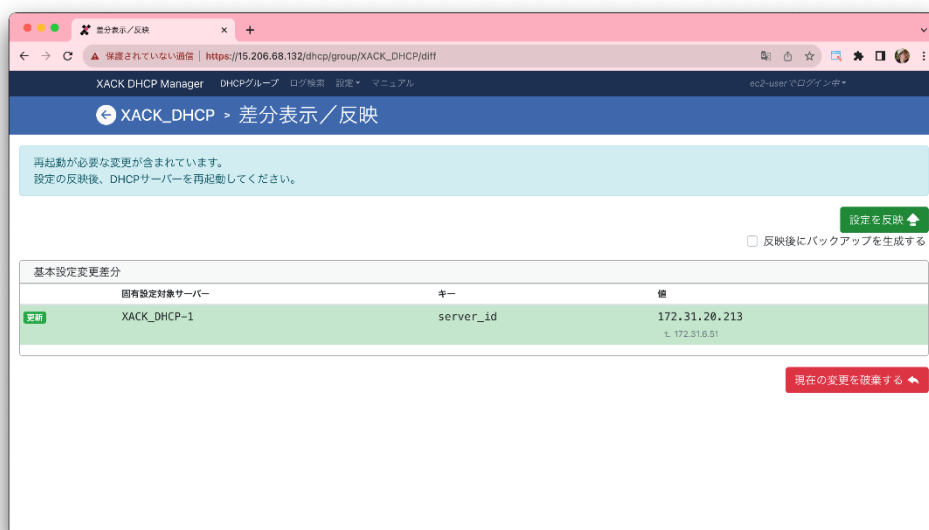
This time, there is no problem with the settings, so press the [Reflect settings] button in the upper right.

In the upper right corner, "XACK_ settings have been reflected in DHCP" is displayed, so it has been correctly reflected in XACK DHCP.

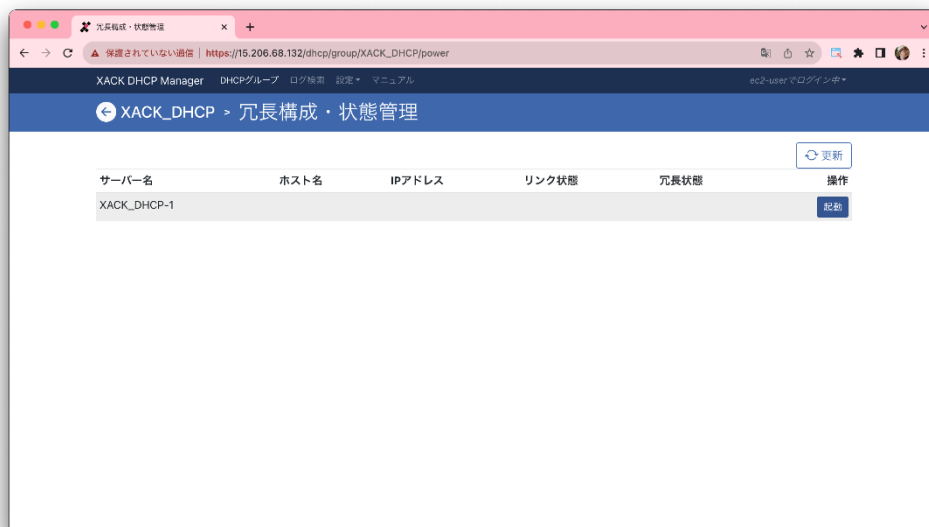16. Start XACK DHCP and press the

[Redundancy Configuration/Status Management] button in "Operation Operation".
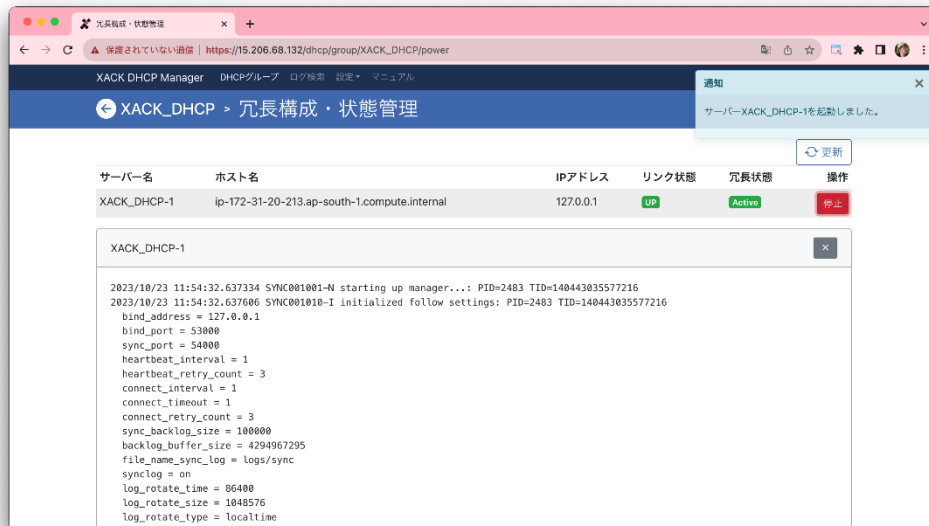
This is the "Redundancy Configuration/Status Management" screen.

Since the server name "XACK_DHCP-1" is stopped, press the [Start] button on the right side.

If it starts correctly, "Server XACK_ DHCP-1 has been started" in the upper right corner as shown in the figure below. is displayed.

17. Display of address lease status:

Press the [Address Lease Status] button in "Address Lease".

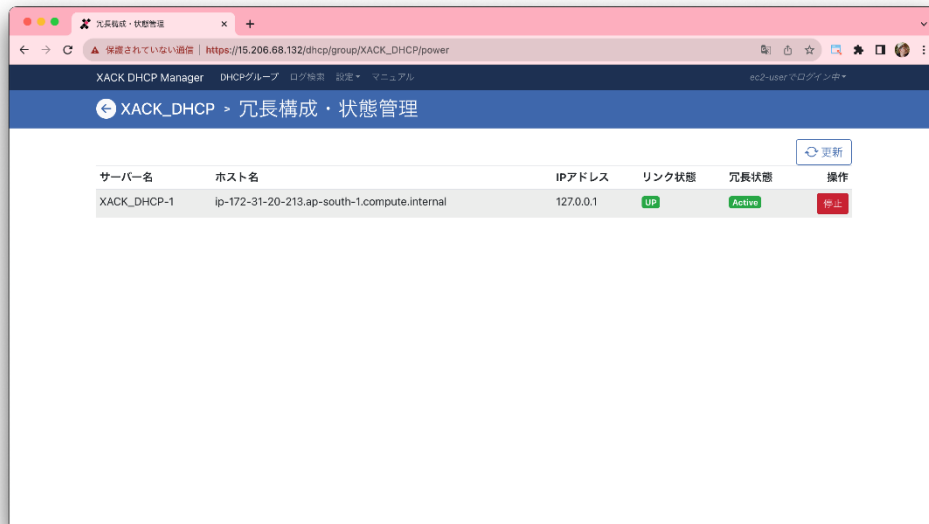The "Address Lease Status" screen is displayed.

18. Stop XACK DHCP Display
    the "Redundancy Configuration/Status Management" screen.

Press the [Stop] button on the right side.

A confirmation dialog will be displayed, so press the [OK] button.
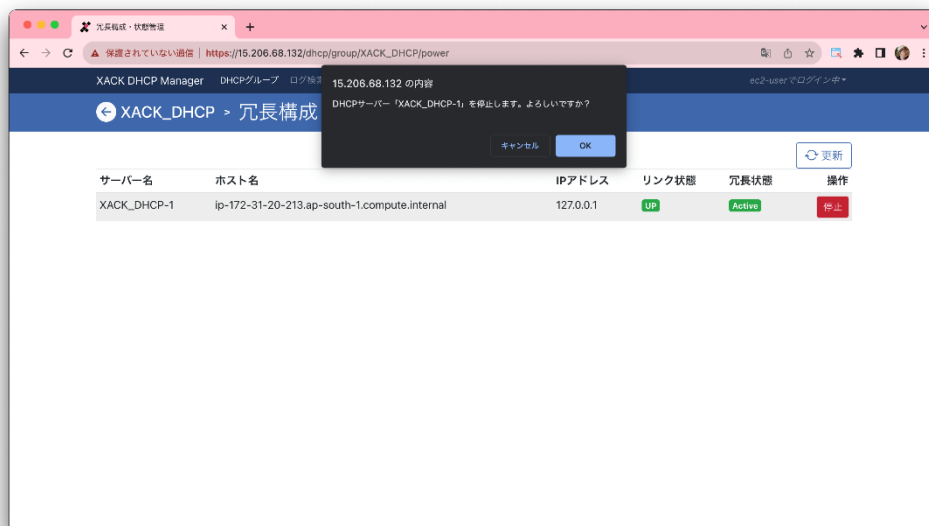
If "Server XACK_ DHCP-1 has been stopped" appears in the upper right corner, the server has been stopped successfully.

19.

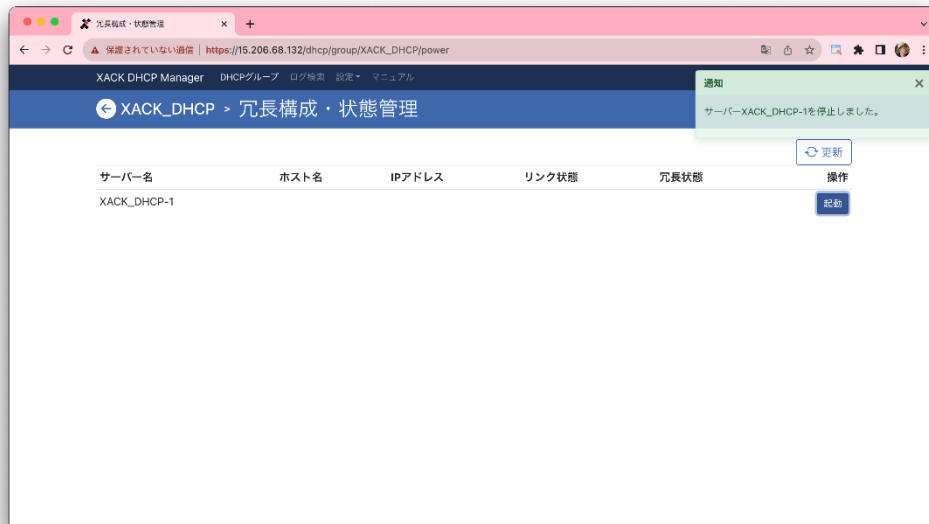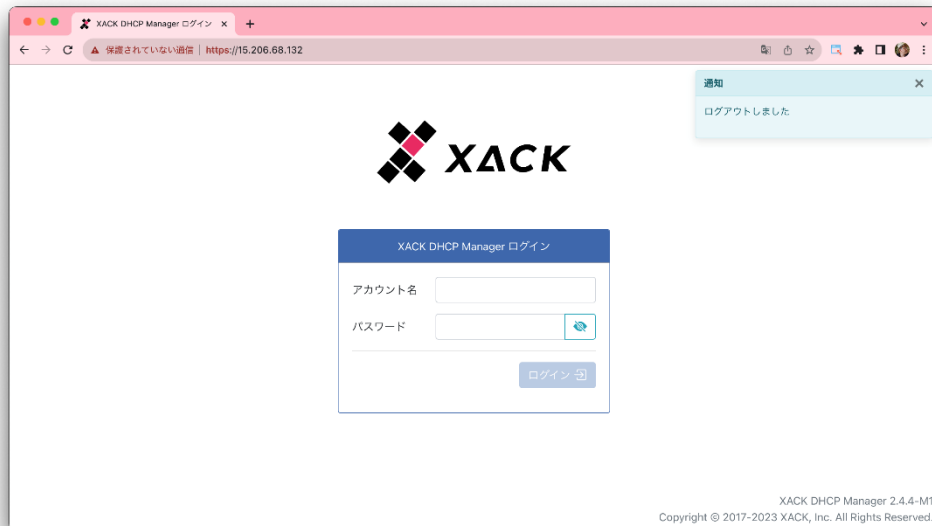If you press the [Logged in with ec2-user] menu in the upper right corner of the logout screen, the [Logout] button will be displayed, so press it.

You were able to log out correctly.

◆ License Extension

　Contact the contact information below to obtain a license file. You can download the license file from the14Follow the steps in to install it.

◆ Upgrade Procedure

　For the upgrade, we will send the tar.gz file of the upgrade version to the customer who installed it, so you need to transfer the file to the instance using the scp command and enter the following command.

```
[ec2-user@xack-dhcp ~]$ tar xvf dhcpd-x.x.x.tar.gz
[ec2-user@xack-dhcp ~]$ mv /usr/local/dhcp/bin /usr/local/dhcp/bin.old
[ec2-user@xack-dhcp ~]$ mv /usr/local/dhcp/lib /usr/local/dhcp/lib.old
[ec2-user@xack-dhcp ~]$ mv dhcp/bin /usr/local/dhcp
[ec2-user@xack-dhcp ~]$ mv dhcp/lib /usr/local/dhcp
[ec2-user@xack-dhcp ~]$ rm -fr dhcp
[ec2-user@xack-dhcp ~]$ rm dhcpd-x.x.x.tar.gz
```

　Finally, restart XACK DHCP from XACK DHCP Manager to complete the upgrade.

　When upgrading, you do not need to back up your data.

◆ Precautions

　To update the OS, use only the following command to address the vulnerability. If you perform a normal version upgrade, a bug fix version or a function enhancement version will be installed, and there is a risk of unexpected behavior.

```
dnf update --security
```

◆ Inquiries
 ➢ Technical inquiries such as functions, specifications, and operations
   support@xack.co.jp
 ➢ Sales inquiries such as prices, evaluation period extensions, transaction conditions, etc.
   promotion@xack.co.jp

* Thank you for your cooperation in the questionnaire.
 https://docs.google.com/forms/d/e/1FAIpQLSdlicTW0tvy3YMrkJkzW4CnAL3sRrR69o phTxs5TSlOG1ubQQ/viewform?usp=sf_link