

How to install the evaluation version of XACK DNS Zone Editor on Amazon AWS

Thank you for your review of XACK products.

We will guide you through the installation procedure of XACK DNS Zone Editor on Amazon AWS.

◆ Affected products

XACK DNS Zone Editor

◆ Evaluation Period

In principle, 1 month

* Long-term issuance is also possible, such as campaign application. Please contact our staff.

◆ Operating environment

Amazon EC2 instance t2.small or larger

◆ Deployment Procedure

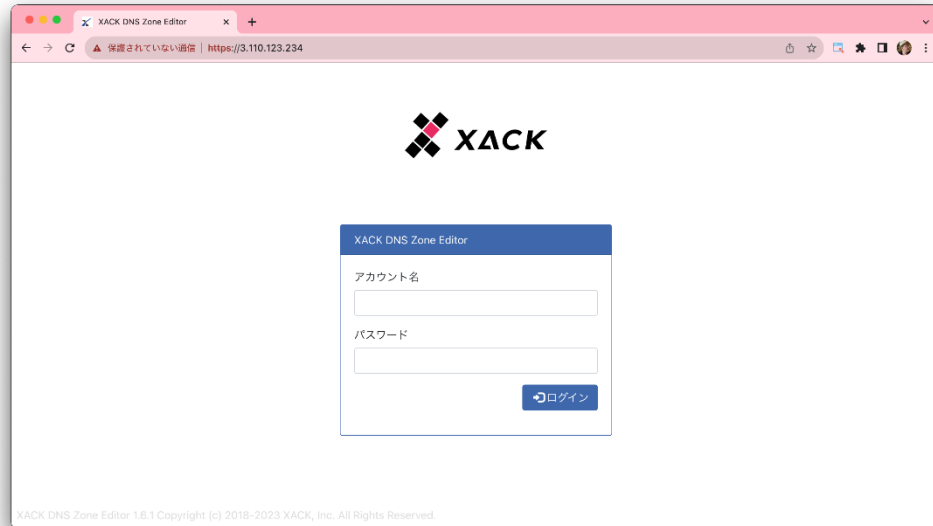
1. Please contact us to obtain a license file.
2. Open the Amazon EC2 console (<https://console.aws.amazon.com/ec2/>).
3. In the navigation bar at the top of the screen, the current AWS Region is displayed, and you can choose the region in which you want to launch the instance.
4. On the Amazon EC2 console dashboard, choose Launch Instance.
5. Under Application and OS images (Amazon Machine Image), choose View other AMIs, choose My AMIs, and then in the results filter on the left, select ☒ the check box for Owner (shared with me). [XACK DNS Zone Editor x.x.x] will be displayed in all product columns, so select it.
6. Under Key pair (login), for Key pair name, choose an existing key pair or create a

new one.

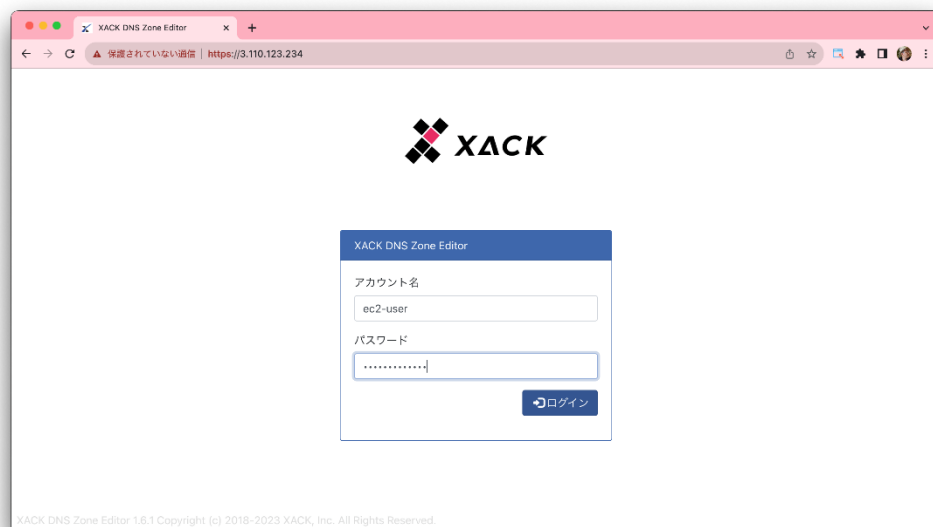
7. In the Overview panel, choose Launch instance.
8. Transfer the license file to the home directory of the ec2-user account on the launched instance.
(e.g., `scp license ec2-user@ public IPv4 address of the instance you launched:`)
9. Move the license file to its location and reboot.
Log in to the launched instance with terminal software such as TeraTerm and enter the following command.

```
[ec2-user@ip-xx-xx-xx-xx ~]$ sudo mv license /usr/local/xack-dns-zone-editor/conf  
[ec2-user@ip-xx-xx-xx-xx ~]$ sudo systemctl restart xack-dns-zone-editor
```

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



11. Log in to your



username as ec2-user and
your password is XACK.com123

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12. Enabling XACK DNS Zone Editor Linkage with XACK DNS ManagerIf you do not enable XACK DNS Zone Editor in XACK DNS Manager, there may be unintended conditions (e.g., missing zone files being edited) when editing zones.

Display the "Edit DNS Server Information" screen of XACK DNS Manager.

The screenshot shows the 'DNSサーバー情報編集' (Edit DNS Server Information) page in the XACK DNS Manager web interface. The page is titled 'DNSサーバー情報編集' and has a breadcrumb trail: 'サーバー一覧 > ユーザー管理 > ログ > マニュアル'. The user is logged in as 'ec2-user'.

The main form contains the following fields and controls:

- DNSサーバー名**: XACK_DNS-1 (checked)
- 接続先**: localhost (checked)
- SSHポート**: 22 (checked)
- ログイン方式**: パスワード (selected), 公開鍵 (unselected)
- OSユーザ名**: dnssadm
- OSユーザーパスワード**: (empty field) with a '変更する' (Change) link below it.
- DNSインストールディレクトリのパス**: /usr/local/dns/
- XACK DNS Zone Editorとの連携機能**: 使用しない (selected), 使用する (unselected)

At the bottom right of the form is a green button labeled '変更を保存' (Save Changes). Below the form, there is a section for 'DNSサーバーから設定情報を取り込みます。' (Import settings from DNS server) with a button 'DNSサーバー設定情報取込'. Below that is a section for 'DNSサーバーの登録を解除します。' (Unregister DNS server) with a button 'DNSサーバー登録解除'. At the bottom, there is a section for 'ライセンスファイルをインストールします。' (Install license file) with a button 'インストール'.

Set the toggle switch of "Disable" or "Enable" in "XACK DNS Zone Editor linkage function" near the center to "Enable".

The screenshot shows a web browser window with the URL `https://65.185.56/8server/2`. The page title is "XACK DNS Manager" and the user is logged in as "ec2-user". The main heading is "DNSサーバー情報編集".

The form contains the following fields and options:

- DNSサーバー名: `XACK_DNS-1` (with a green checkmark)
- 接続先: `localhost` (with a green checkmark)
- SSHポート: `22` (with a green checkmark)
- ログイン方式: ☒ パスワード ☐ 公開鍵
- OSユーザー名: `dnsadm`
- OSユーザーパスワード: (with a "変更する" button)
- DNSインストールディレクトリのパス: `/usr/local/dns/`
- XACK DNS Zone Editorとの連携機能: ☐ 使用しない ☒ 使用する

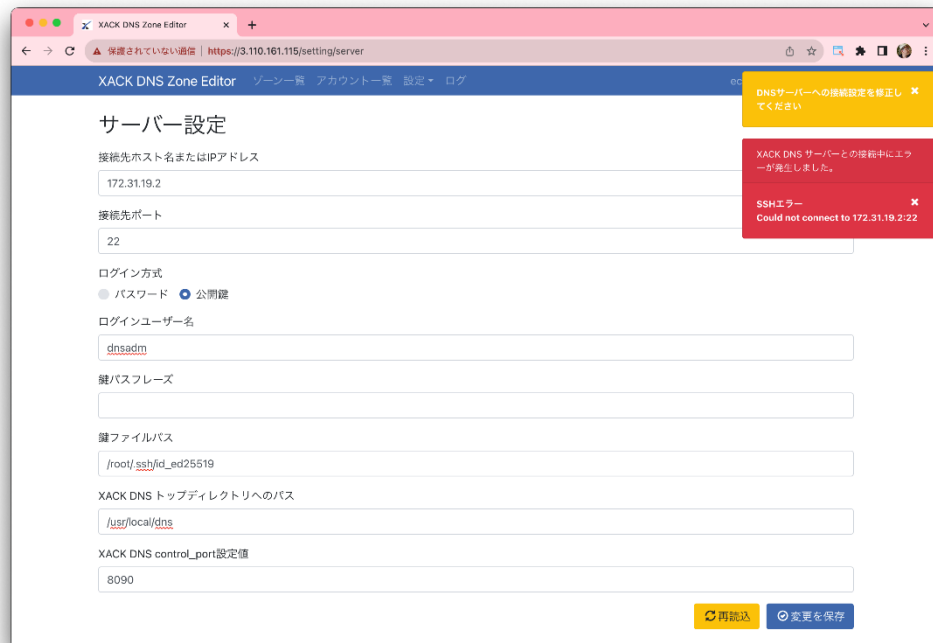
A green "変更を保存" button is located at the bottom right of the form. Below the form, there is a section for "DNSサーバーから設定情報を取り込みます。" with a "DNSサーバー設定情報取込" button. Another section for "DNSサーバーの登録を解除します。" has a "DNSサーバー登録解除" button. At the bottom, there is a section for installing a license file, with a "ファイルを選択" button (which shows "選択されていません") and an "インストール" button.

最終更新: ec2-user / 2023-10-04 17:54:46.0

From this state, press the [Save changes] button.

13. Modify the connection settings.

When you log in for the first time, you will receive the following error message. In the

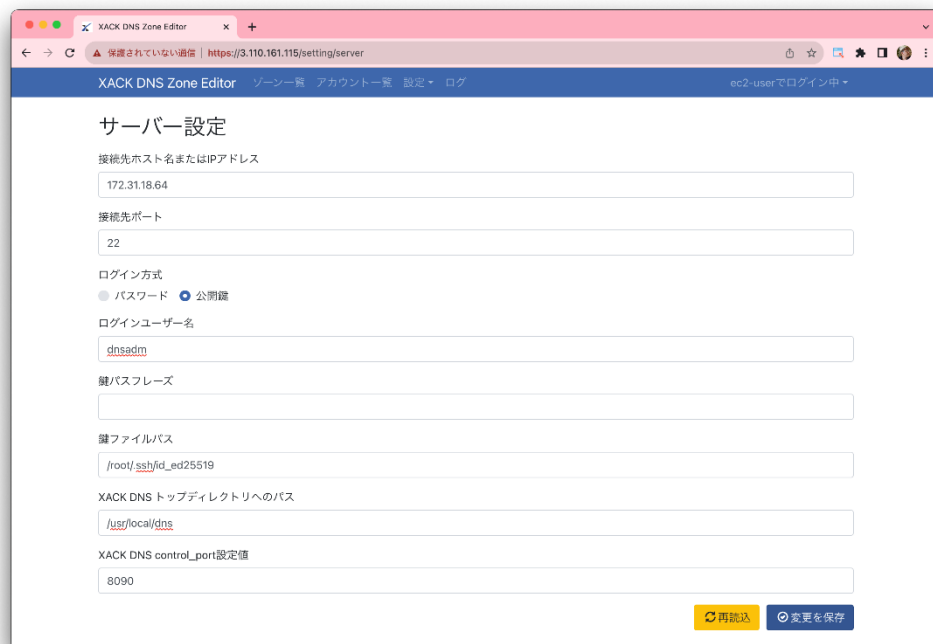


The screenshot shows the 'XACK DNS Zone Editor' interface. The main heading is 'サーバー設定' (Server Settings). The form contains the following fields and values:

- 接続先ホスト名またはIPアドレス: 172.31.19.2
- 接続先ポート: 22
- ログイン方式: ☒ 公開鍵
- ログインユーザー名: dnssadm
- 鍵パスフレーズ: (empty)
- 鍵ファイルパス: /root/.ssh/id_ed25519
- XACK DNS トップディレクトリへのパス: /usr/local/dns
- XACK DNS control_port設定値: 8090

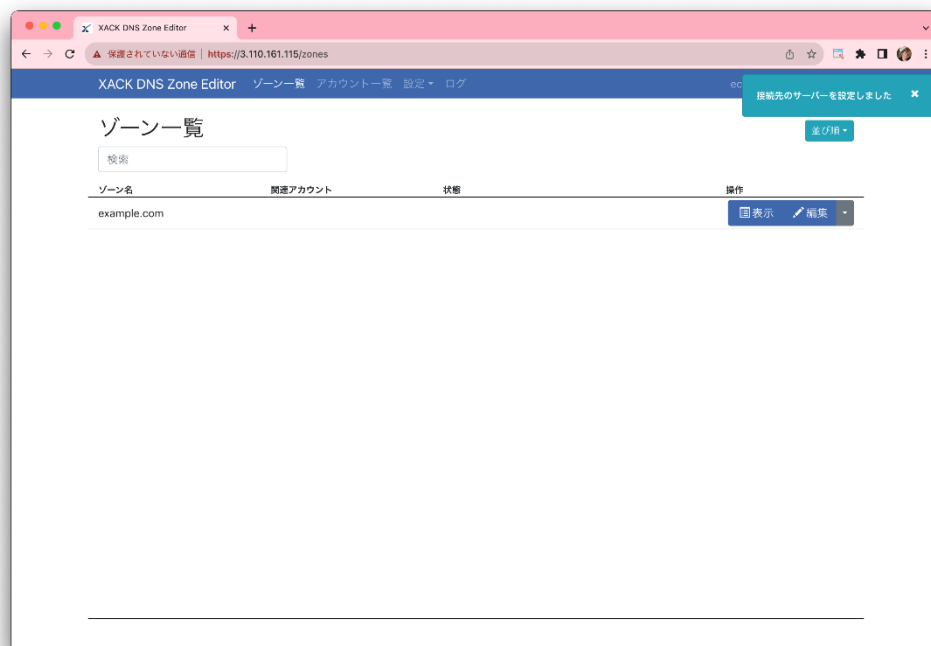
At the bottom right, there are two buttons: '再読み込み' (Reload) and '変更を保存' (Save Changes). On the right side, there is a yellow error message box that says 'DNSサーバーへの接続設定を修正してください' (Please correct the connection settings to the DNS server). Below it, a red error message box says 'XACK DNS サーバーとの接続中にエラーが発生しました。SSHエラー Could not connect to 172.31.19.2:22'.

"Destination hostname or IP address" field on the above screen, enter the private IPv4 address of the XACK DNS instance, and then



The screenshot shows the 'XACK DNS Zone Editor' interface with the 'サーバー設定' (Server Settings) page. The '接続先ホスト名またはIPアドレス' field now contains the IP address 172.31.18.64. All other fields and the error message box are the same as in the previous screenshot.

press the [Save Changes] button.



If you see a screen like this, you have successfully changed the connection settings.

If the "destination host name or IP address" is incorrect, or if XACK DNS is not started, the following screen will appear. Check the connection destination information and whether or not XACK DNS is running, and then click the [Save Changes] button again.

XACK DNS Zone Editor

サーバー設定

接続先ホスト名またはIPアドレス
172.31.18.64

接続先ポート
22

ログイン方式
☐ パスワード ☒ 公開鍵

ログインユーザー名
dnsadm

鍵パスフレーズ

鍵ファイルパス
/root/.ssh/id_ed25519

XACK DNS トップディレクトリへのパス
/usr/local/dns

XACK DNS control_port設定値
8090

再試行 変更を保存

XACK DNS を起動するか、接続先サーバー設定を見直してください。

XACK DNS が起動していません。

If the Authoritative Master Server function is disabled or the zone does not exist as a XACK DNS setting, the following screen will appear. Check your XACK DNS settings.

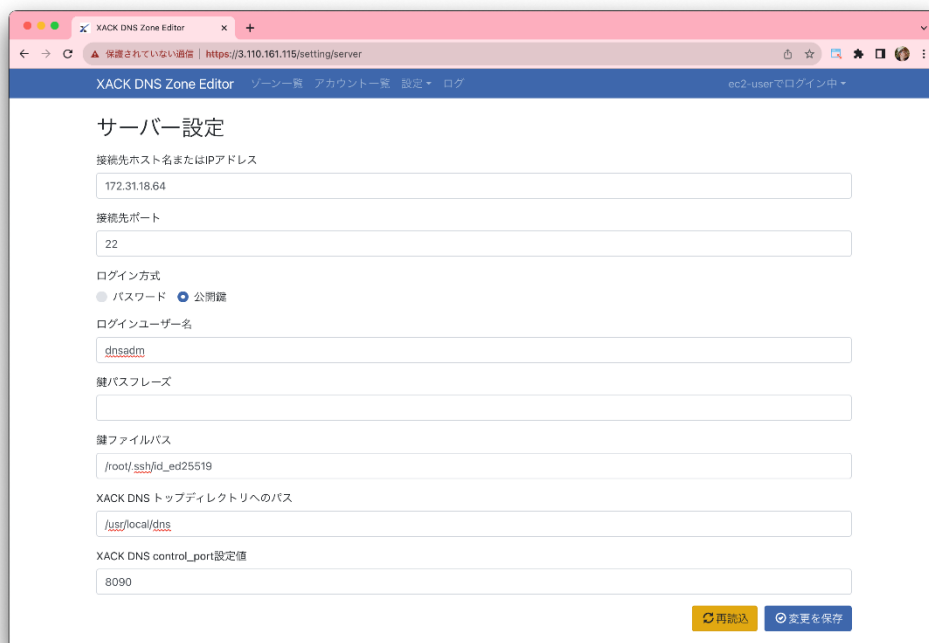
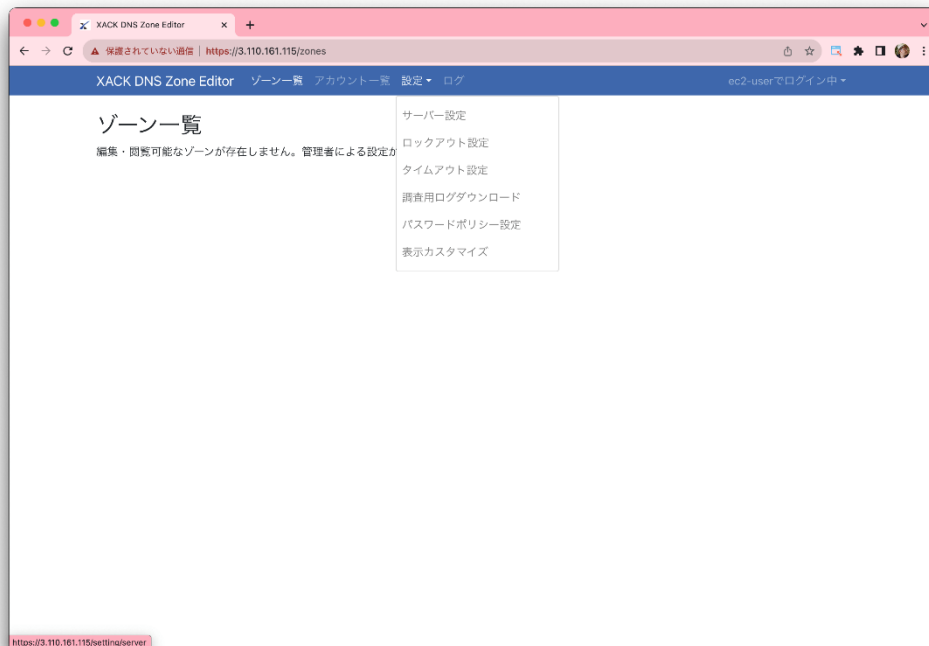
XACK DNS Zone Editor

ゾーン一覧

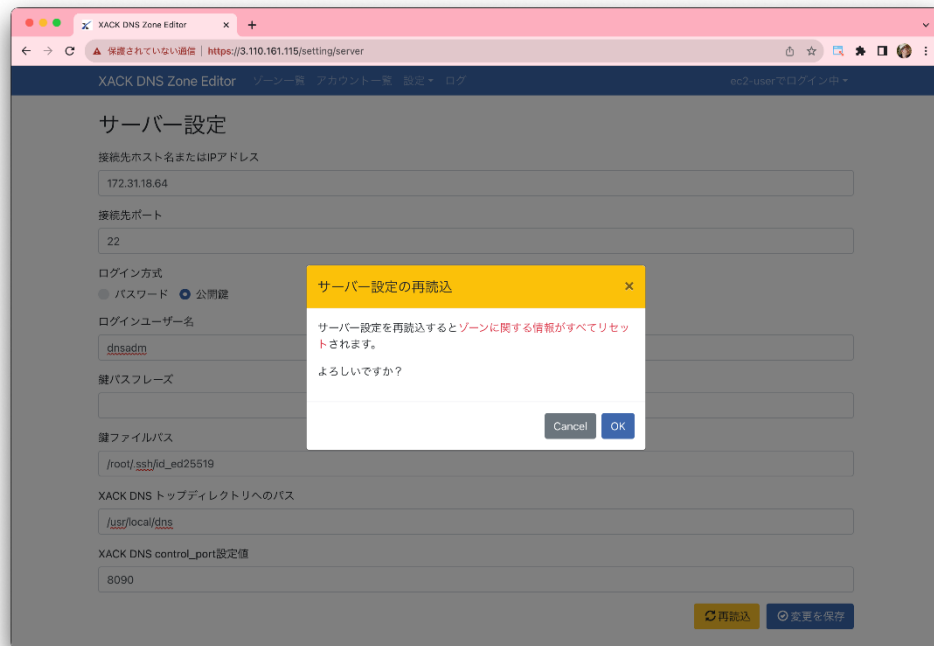
編集・閲覧可能なゾーンが存在しません。管理者による設定が必要です。

接続先のサーバーを設定しました

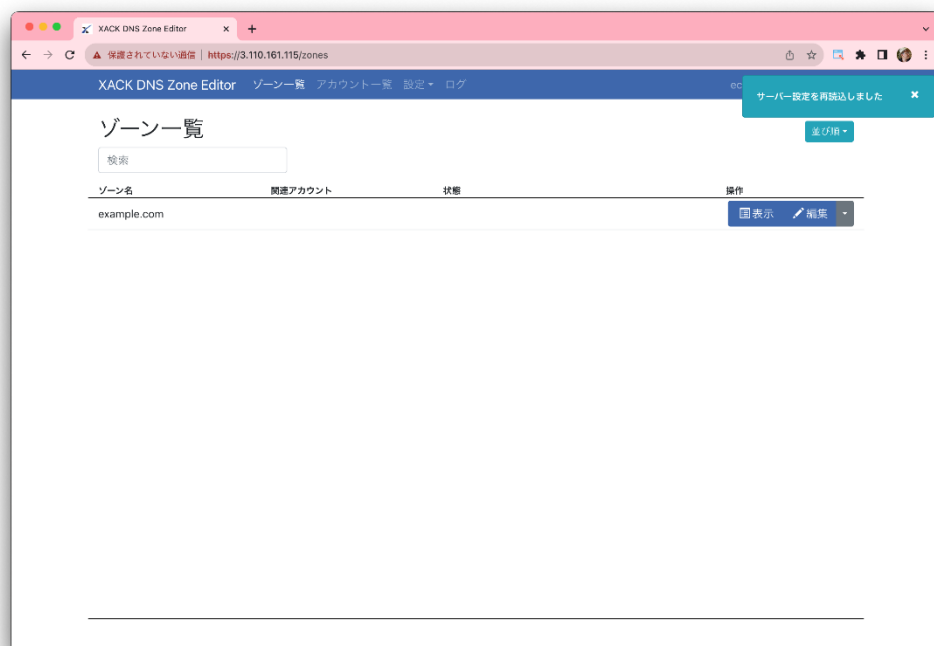
After confirmation, open the [Settings] menu and select [Server Settings] at the top.



Press the [Reload] button on this screen.



A confirmation dialog will be displayed, so you can import the zone information by pressing the [OK] button.



If "Reload" is completed successfully, this screen will appear.

14. Displaying Zone Information

You can display zone information by pressing the [View] button of the zone name "example.com" from the "Zone List" screen.

The screenshot shows the XACK DNS Zone Editor interface for the zone "example.com". The interface includes a header with navigation links and a main table for zone data. The table has columns for "分類" (Category), "オーナー名" (Owner Name), "TTL", "クラス" (Class), "タイプ" (Type), and "データ" (Data). The "TTL" column is highlighted in green. The "データ" column contains a form for editing zone parameters.

| 分類 | オーナー名 | TTL | クラス | タイプ | データ |
|-----|-------|-----|-----|-----|---|
| TTL | | 1h | | | |
| RR | @ | | IN | SOA | <div>serial: 2023100402</div> <div>mname: ns.example.com. rname: ec2-user.example.com</div> <div>refresh: 3600 retry: 900</div> <div>expire: 604800 minimum: 3600</div> |
| RR | | | IN | NS | <div>nsdname: ns</div> |
| RR | ns | | IN | A | <div>address: 127.0.0.1</div> |
| RR | www | | IN | A | <div>address: 127.0.0.2</div> |

At the bottom of the interface, there is a "表示数" (Display Count) set to 20, a pagination control showing "1" of 1 pages, and a button labeled "ゾーン一覧に戻る" (Return to Zone List).

Press the [Return to Zone List] button at the bottom right to return to the "Zone List" screen.

15. Edit zone information

You can edit zone information by pressing the [Edit] button of the zone name "example.com" from the "Zone List" screen.

The screenshot shows the XACK DNS Zone Editor interface for the zone "example.com". The browser address bar shows the URL: <https://3.110.161.115/zones/zone?zone=example.com&view=&wantEdit=1>. The page has a navigation bar with links: "ゾーン一覧", "アカウント一覧", "設定", and "ログ". The user is logged in as "ec2-user".

At the top, there are two warning messages:

- Yellow box: "反映ボタンを押下するまでDNSサーバーに編集内容は反映されません。"
- Blue box: "この画面のまま反映を行わなかった場合、セッションのタイムアウトと同時に編集内容は破棄されます。"

The main content area displays a table of DNS records. The table has columns: "分類", "オーナー名", "TTL", "クラス", "タイプ", and "データ". The "STTL" record is selected, and its details are shown in the sidebar.

| 分類 | オーナー名 | TTL | クラス | タイプ | データ |
|------|-------|-----|-----|-----|---|
| STTL | | 1h | | | |
| SOA | @ | | IN | SOA | serial: 2023100402 (自動設定) mname: ns.example.com. rname: ec2-user.example.com refresh: 3600 retry: 900 expire: 86400 minimum: 3600 |
| NS | | | IN | NS | nsdname: ns |
| NS | ns | | IN | A | address: 127.0.0.1 |
| NS | www | | IN | A | address: 127.0.0.2 |

At the bottom, there is a pagination bar showing "表示数: 20" and navigation buttons. On the right, there are three buttons: "元に戻す", "編集を破棄", and "反映". The "反映" button is disabled.

By pressing the [Discard edits] button at the bottom right, you will return to the "Zone List" screen without reflecting any zone edits.

The [Reflect] button is enabled when there is no problem with the edited content. In the above figure, since nothing has been edited yet, the [Reflect] button is disabled.

example.com

反映ボタンを押下するまでDNSサーバーに編集内容は反映されません。

この画面のまま反映を行わなかった場合、セッションのタイムアウトと同時に編集内容は破棄されます。

| 分類 | オーナー名 | TTL | クラス | タイプ | データ |
|------|-------|-----|-----|-----|--|
| STTL | | 1h | | | serial: 2023100403 (自動増分) |
| RR | @ | | IN | SOA | mname: ns.example.com, rname: ec2-user.example.com refresh: 3600, retry: 900 expire: 804800, minimum: 3600 |
| RR | | | IN | NS | nsdname: ns |
| RR | ns | | IN | A | address: 127.0.0.1 |
| RR | www | | IN | A | address: 127.0.0.2333 <small>正しいIPv4アドレスを入力してください</small> |

表示数: 20

元に戻す 編集を破棄 エラー一覧

If there is a problem, it will look like this. In this example, an error occurs because an incorrect IPv4 address such as "127.0.0.2333" is written in the place where the IP address of the A record of www is set. If you correct these, the [Error List] button at the bottom right will change to the [Reflect] button.

example.com

反映ボタンを押下するまでDNSサーバーに編集内容は反映されません。

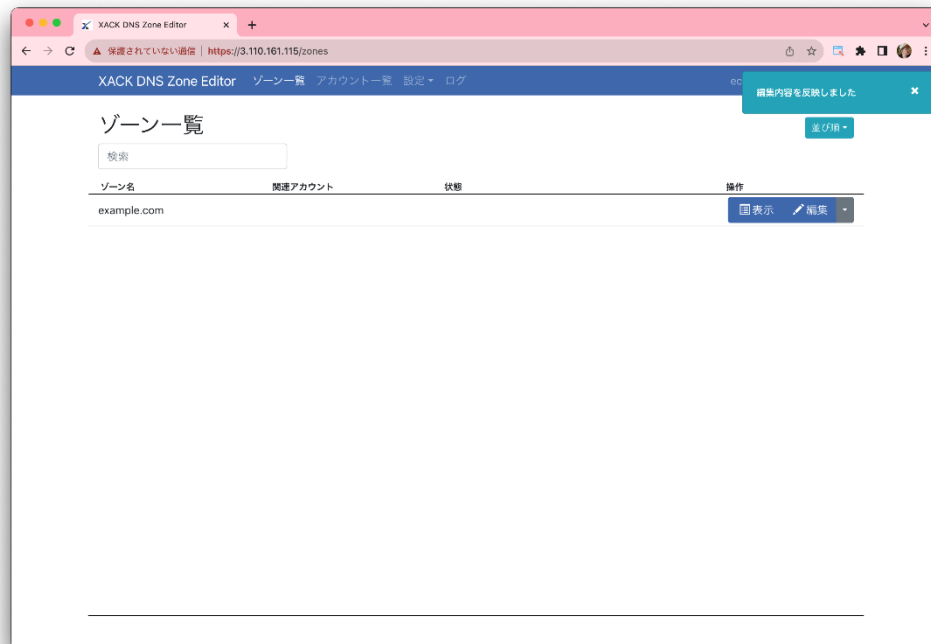
この画面のまま反映を行わなかった場合、セッションのタイムアウトと同時に編集内容は破棄されます。

| 分類 | オーナー名 | TTL | クラス | タイプ | データ |
|------|-------|-----|-----|-----|--|
| STTL | | 1h | | | serial: 2023100403 (自動増分) |
| RR | @ | | IN | SOA | mname: ns.example.com, rname: ec2-user.example.com refresh: 3600, retry: 900 expire: 804800, minimum: 3600 |
| RR | | | IN | NS | nsdname: ns |
| RR | ns | | IN | A | address: 127.0.0.1 |
| RR | www | | IN | A | address: 127.0.0.3 |

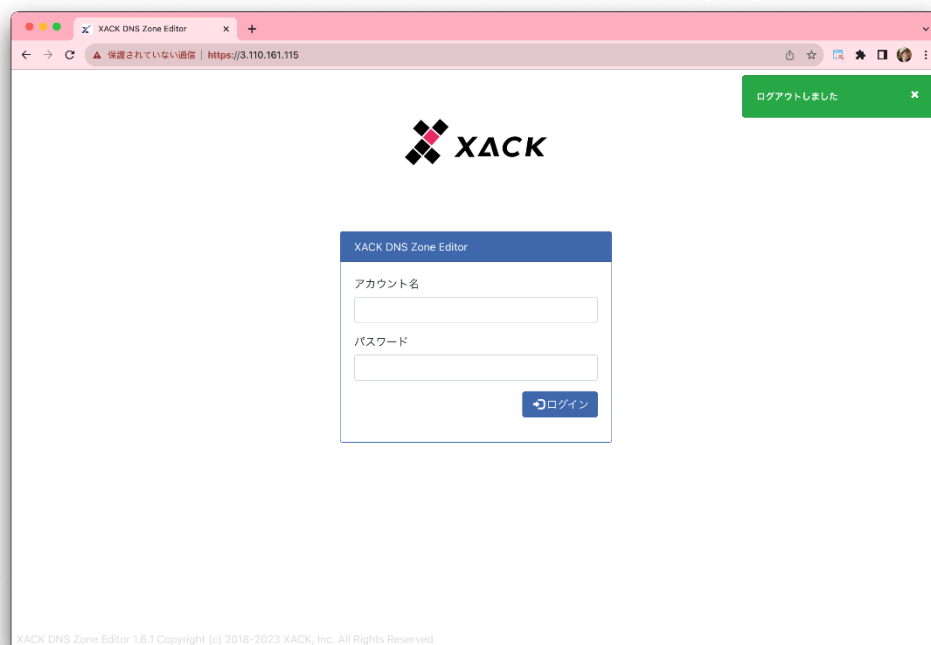
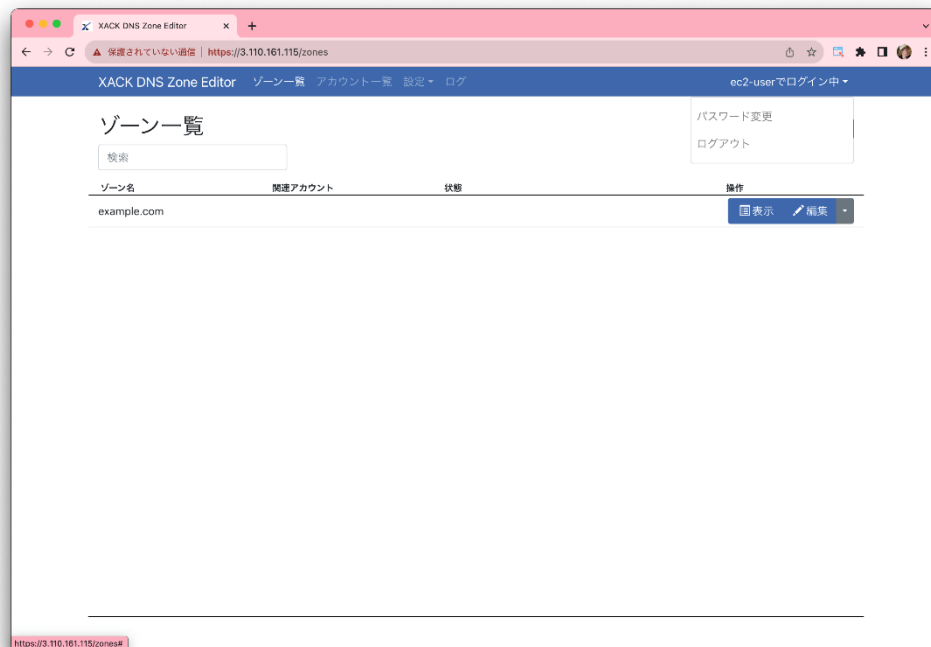
表示数: 20

元に戻す 編集を破棄 反映

If you press the [Reflect] button in this state, the zone information of XACK DNS will be updated immediately.



16. Logout is a screen where you have been successfully logged out by selecting [Logout] from the [Logged in with ec2-user] menu in the upper right



[Reference] https://docs.aws.amazon.com/ja_jp/AWSEC2/latest/UserGuide/ec2-launch-instance-wizard.html#liw-quickly-launch-instance

◆ License Extension

Contact the contact information below to obtain a license file. You can download the license file from the9Follow the steps in to install it.

◆ Precautions

◆ 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/1FAIpQLSdlicTW0tvY3YMrkJkzW4CnAL3sRrR69ophTxs5TSlOG1ubQQ/viewform?usp=sf_link

