



- [HOME](#)
- [Read Me](#)
- [Security](#)
- [Authentication](#)
- [Contact](#)
- [Information](#)
- [FAQ](#)

- [HOME](#)
- [Read Me](#)
- [Security](#)
- [Authentication](#)
- [Contact](#)
- [Information](#)
- [FAQ](#)



SRP (Secure Reverse Proxy)

Students' Portal

Abstract of This Page

The SRP (Secure Reverse Proxy) is a user authentication system of the information services of Tohoku University which is mainly applied for off-campus access, and it is also a gateway to the portal site for students. This page provides basic information and instructions of the SRP authentication.

Contents

Close

1. Outline	1.1 What is SRP? 1.2 Users 1.3 How to Use
2. SRP Authentication	2.1 On-Campus Access 2.2 Off-Campus Access
3. Image-Matrix Authentication	3.1 Overview 3.2 How to Do 3.3 Update/Confirmation of Your Secret Key
4. お問い合わせ	

1. Outline

Close

1.1 What is SRP?

The SRP (Secure Reverse Proxy) is a user authentication system of the information services of Tohoku University which is mainly applied for off-campus access. It is also a gateway to the portal site for students which includes the hyperlinks to various information services of our university. The SRP authentication is required not only for off-campus access but on-campus access in several services.

The SRP authentication involves a special auxiliary authentication, what we call the "image-matrix" authentication, in order to achieve higher security level, in addition to the usual Tohokudai-ID/Password authentication.

1.2 Users

The SRP is provided for all students in Tohoku University, including undergraduate and graduate students. You are required no user registration in order to make use of the SRP service, but your Tohokudai-ID (and Password) is required.

You can visit the Students' Portal after the SRP authentication.

1.3 How to Use

The SRP is a web-based service. You can visit the SRP's login page by both on-campus and off-campus access.

[TOP](#)

2. SRP Authentication

Close

There are two instructions of the SRP authentication, one is for on-campus access and the other is for off-campus access.

2.1 On-Campus Access

- Step 1 Visit the [login page of the SRP system](#).

東北大IDは、半角英数字で入力して下さい。

東北大ID
Tohoku-dai ID

パスワード
Password

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- Step 2 Login with your Tohokudai-ID and Tohokudai-ID Password.
- Step 3 You are automatically invited to the Students' Portal Site. You can visit various information services of our university from this portal site. The **SSO** mark means the Single-Sign-On (SSO) mechanism which enables us to skip an additional user authentication of the services to which we are going to visit.



東北大学ポータルサイト
TOHOKU UNIVERSITY Portal Site

ようこそ さん

認証システム・パスワード管理
(Authentication・Password management)

- [統合電子認証システム](#) **SSO**
(Integrated Electronic Authentication System of Tohoku University)
共通パスワードの変更、サブID/サブID用パスワードの登録・変更
(Change Common Password and Set/Change SubID and SubID-password)
- [セキュアリバースプロキシ SRP システム](#) **SSO**
SRPのイメージマトリクス認証用秘密キーの設定および変更
(Generate and change your private key for the SRP image-matrix authentication)
・ [SRP利用ガイド](#) (SRP user's guide)
- [ユーザー認証についての解説](#) (Guide for the authentication)
学内限定 (Access restricted from the campus LAN)

学生向けサービス
(Services for students)

- [Webメールサービス \(Web mail\)](#) **SSO**
対応ブラウザについての詳細は[こちら](#)
(List of compatible browsers)
- セキュリティ対策ソフトの提供 (Virus protection software)
[Symantec / F-Secure](#)
学内限定 (Access restricted from the campus LAN)
- [キャンパス無線LAN 利用ガイド](#)
(Guide for the campus wireless LAN service)
- [東北大学インターネットスクール ISTU](#) **SSO**
(Internet School of Tohoku University)
- [英語/中国語/日本語Web教材 ALC NetAcademy 2](#) **【解説】**
(English / Chinese / Japanese coursewares: ALC NetAcademy 2 **【Guide】**)
- [東北大学附属図書館](#) (Tohoku University Library)
・ [MyLibrary](#) **SSO**
・ [電子ジャーナルリスト](#) (E-Journals List)
・ [データベース・ツールインデックス](#)
(Database&Tool Index)
- [デジタルコースウェア](#) (Digital Courseware) **SSO**
2012年度分データの閲覧のみ可能
(Data for fiscal year 2012 is only available.)

教務関連サービス
(Services for educational affairs)

- [学籍情報システム](#) **【解説】** **SSO**
(Student Affairs Information System) **【Guide】**
※ 学籍情報システムは、2013年9月17日より学籍情報システムに更新されました。
("Web Registration System for educational affairs" is upgraded to this system on Sep.17.2013.)
履修の履修登録・確認・成績照会など
(Course registration and access to academic records)
成績照会サービス(学外接続専用ゲート)
Access-to-academic-records-from-off-campus:
学外からの成績照会は、上記の学籍情報システムより可能です。
(You can view your academic records from off-campus by the above Student Affairs Information System.)
- [シラバス公開サービスへのリンク集](#)
(Course syllabi)

学部・研究科の情報サイト(Faculty and Schools)

- [工学部・工学研究科ポータルサイト](#) (-Portal site- School of Engineering)

2.2 Off-Campus Access

- Step 1 Visit the [login page of the SRP system](#).

東北大IDは、半角英数字で入力して下さい。

東北大ID
Tohoku-dai ID

パスワード
Password

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- Step 2 Login with your Tohokudai-ID and Tohokudai-ID Password.
- Step 3 You are required to do a special additional authentication, what we call the image-matrix authentication. For the instruction of the image-matrix authentication, please refer to [Section 3](#).

【物】 (Image)

	05	41	85	21	92
77					
11					
88					
27					
03					

絵柄を選択してください page.1/1

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- Step 4 After the image-matrix authentication is done, you are automatically invited to the Students' Portal Site.

[TOP](#)

3. Image-Matrix Authentication

Close

3.1 Overview

The image-matrix authentication of the SRP is a secondary authentication introduced in purpose of achieving higher security level. This is required for off-campus access after doing the usual Tohokudai-ID/Password authentication.

3.2 How to Do

3.2.1 Confirmation of Your Secret Key

In the image-matrix authentication you have to apply a special secret key. This secret key is a chain of several image icons and its initial value is assigned for you by the system administrator at the time of your enrollment. To get the initial secret key of you, follow the instruction depicted in the image-matrix authentication page; scroll the screen of the image-matrix authentication page downward.



学外
off campus




東北大ID + 東北大IDパスワード認証
Tohokudai ID + 東北大IDパスワードID-PW

How to get the initial secret key for the image-matrix authentication

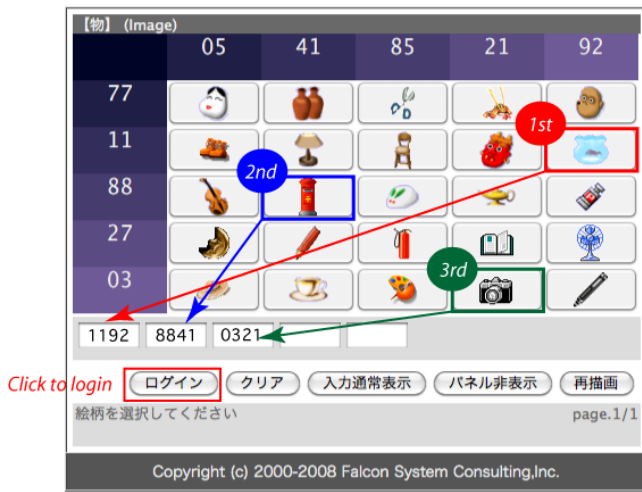
You can configure your secret key by yourself. The instruction for configuring/updating or confirming the secret key can be found in [Section 3.3](#).

3.2.2 How to Do the Image-Matrix Authentication

Whenever you are requested to do the image-matrix authentication (after the usual Tohokudai-ID/Password authentication), you are invited to the authentication page as depicted in the picture below.

The image-matrix authentication

- Step 1 Identify the location (coordinate) of the icons comprising your secret key.
- Step 2 Enter your password by using this image-matrix and your secret key. There are two ways to do this, one is to click the icons of your secret key in order, and the other is to type the "coordinate" of the icons in order. For example, suppose that you are given the image-matrix depicted in the picture above and your secret key is 🐟📧📷 (fishbowl, postbox, camera). Then you can do one of the following two ways.
 - Click the icons of the fishbowl, postbox and camera in this order.
 - Type the coordinates of the three icons in the given image-matrix. For example, the coordinate of the fishbowl is (11,92) hence you type the number "1192" in the first box. In the same way you type the coordinate "8841" of the postbox in the second box and the coordinate "0321" of the camera in the third box.



Consequently your password for this login is 1192 8841 0321.

- Step 3 Click the "login" button to complete.

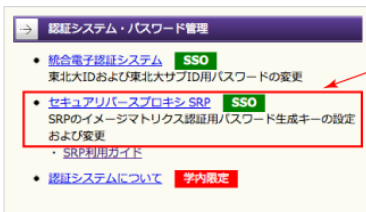
3.2.3 Remarks

- The given image-matrix and the attached coordinate numbers are randomly determined for each time. This means that the password "1192 8841 0321" constructed in the example above is a "disposable" password for this time only. The same password does not work for other time because the given image-matrix and the attached numbers are randomly changed.
- You must appropriately manage your secret key, a chain of image icons such as 📷📷📷 in the example above, as the most significant master key. Do NOT tell or leak this secret key to someone else.

3.3 Update/Confirmation of Your Secret Key

Here is an instruction for updating your secret key for the image-matrix authentication or confirming the current secret key. This instruction requires login to the Students' Portal Site, so you can follow this instruction only through on-campus access if you have forgotten your secret key for the image-matrix authentication.

- Step 1 Login to the SRP with your Tohokudai-ID and Password to visit the Student's Portal Site. For off-campus access, the image-matrix authentication is required.
- Step 2 Click the hyperlink to "セキュアリバースプロキシ SRP".



- Step 3 Click the "選択 (Select)" button.



- Step 4 Click any three image icons in order as the example depicted in the picture below.

Your choice is "Camera, hat and chair."



In this example, your choice is "camera, hat, chair." The order of the icons is significant.

- Step 5 Click the "決定 (Save)" button to complete, and click the "Logout" button to logout.

[TOP](#)

4. Contact

Close

The contact address of the SRP is:

- [Technical Division of Center for Information Technology in Education](#)

[TOP](#)

Online Guide: Information Services for Education in Tohoku University□

- [Tohoku University](#)
- [Center for Data-driven Science and Artificial Intelligence](#)
- [Tohoku University Library](#)
- [Tohoku University General Education](#)
- [SLA Support](#)
- [School of Engineering Portal](#)

- [Authentication](#)
- [Security](#)
- [Secure Reverse Proxy](#)
- [Portal for Students](#)

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- [CALL System](#)
- [CALL Web Materials](#)
- [ISTU](#)
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- [Campus Wi-Fi](#)

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