

# **Guidebook for MIND Users**

## **SSL-VPN Connection Service**

**(Mac OS X 10.7 Edition)**

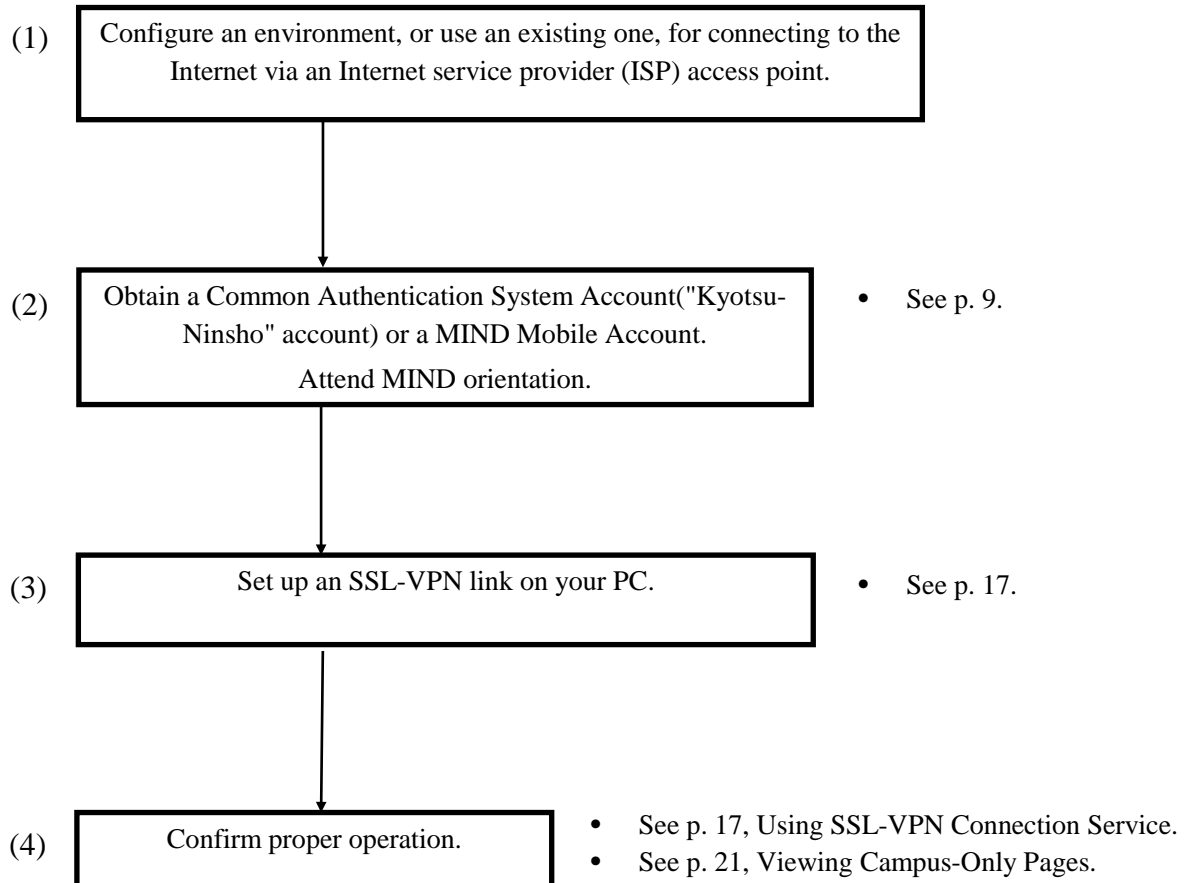
March 5, 2015

Network Promotion Division  
IT Systems & Infrastructure Headquarters

## Procedures for Using SSL-VPN Connection Service

This Guidebook explains how to use the university's SSL-VPN Connection Service.

The procedures are outlined below; see the indicated pages for a more detailed description.



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## 1. What Is an SSL-VPN?

An SSL-VPN (Secure Sockets Layer–Virtual Private Network) makes use of network technology to connect any two points on the Internet by an encrypted, secure tunnel, effectively turning an ordinary Internet link into a dedicated line, as if you were using a private instead of a public network.

When you use SSL-VPN Connection Service, even if you access the Internet from home, from overseas, or from any other off-campus location, you can connect in an environment that is similar to a direct line to the Meiji University network (MIND).

## 2. Why Use SSL-VPN Connection Service?

Using SSL-VPN Connection Service enables uses like the following, which are not possible by ordinary ISP access.

1. Access is possible to a computer of MIND Access Level 1 or 2 (levels that ordinarily cannot be accessed from networks outside the university).
2. Web pages accessible only from an internal university network (campus-only pages) can be accessed.

For example:

- Library outside database services
- ALC NetAcademy provided for science, technology, and agricultural students

Services like these can be used from home, from abroad, or from other locations outside the university.

## Ordinary ISP Access

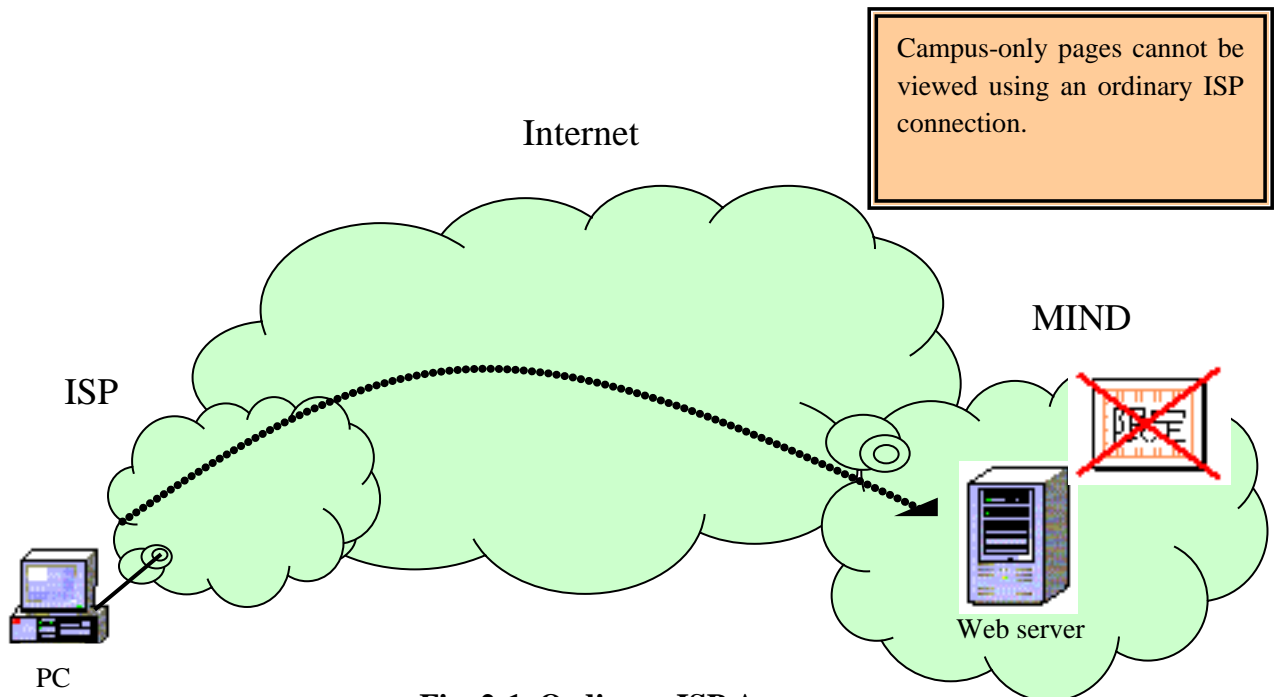


Fig. 2-1. Ordinary ISP Access

## Ordinary ISP Access + Internet SSL-VPN Access

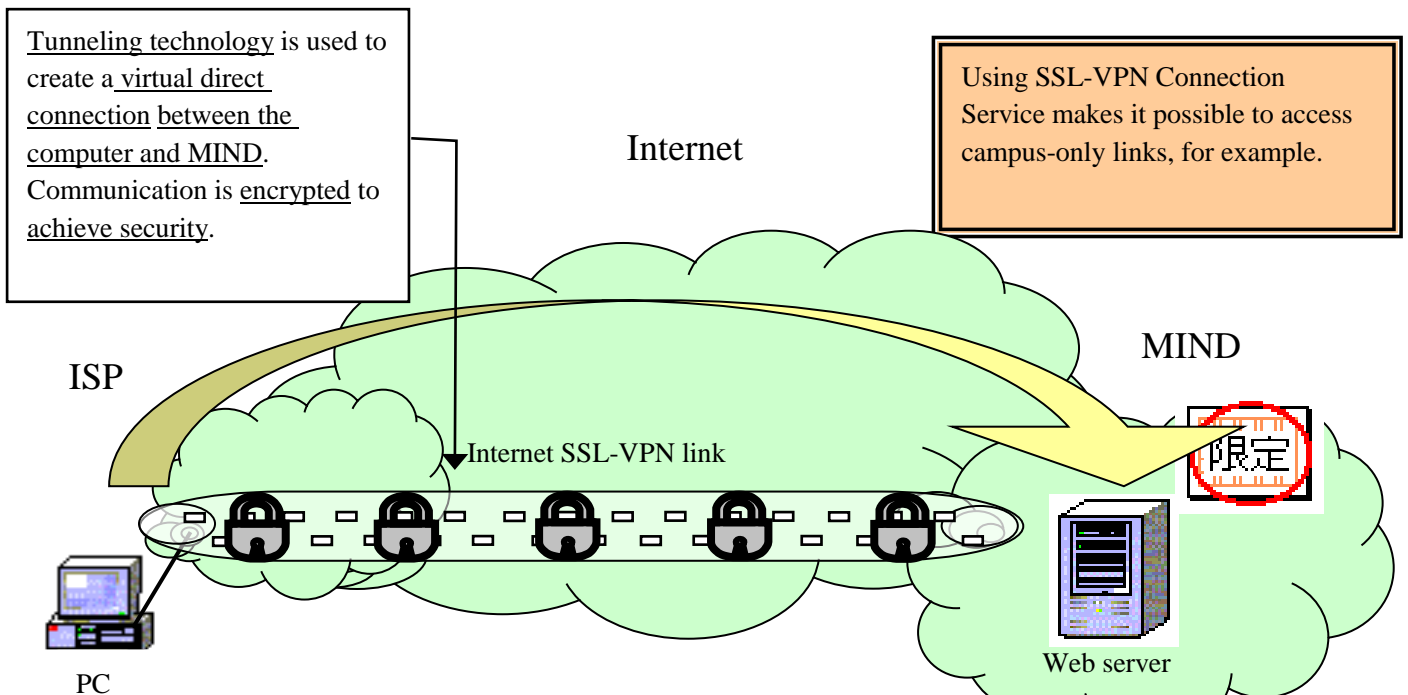


Fig. 2-2. Ordinary ISP Access + Internet SSL-VPN Access

### 3. Settings Necessary for SSL-VPN Connection Service

SSL-VPN server URL	https://sslvpn.mind.meiji.ac.jp/
Account for SSL-VPN connection	Same as Common Authentication System Account("Kyotsu-Ninsho" account)

The software for SSL-VPN Connection Service is installed automatically using ActiveX or Java.

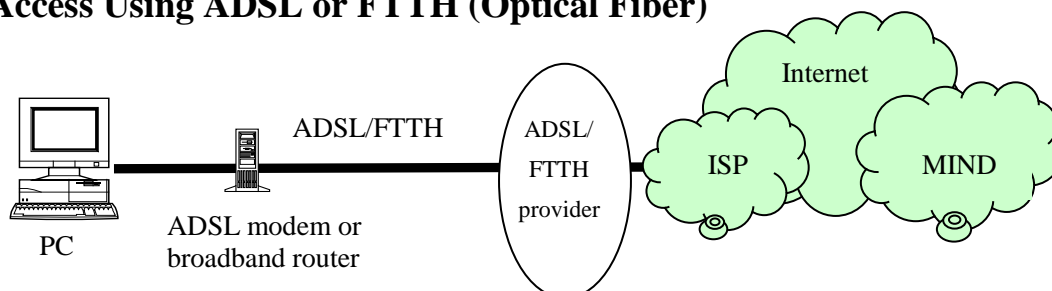
We have confirmed connection using the following OS and web browsers.

OS	Web browser
Mac OS 10.8 (Mountain Lion)	Safari 6.0 Sun JRE 6-7
Mac OS 10.7 (Lion)	Safari 5.1 Sun JRE 6-7

### 4. Various Internet Access Environments

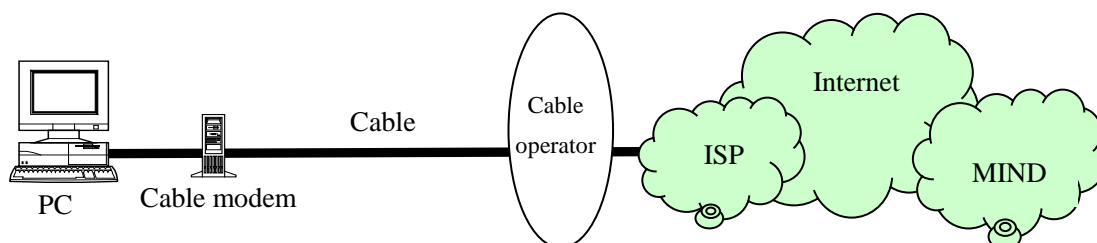
Here we present some examples for different kinds of access lines of connecting to an ISP access point from home or other off-campus location.

#### 4.1. Access Using ADSL or FTTH (Optical Fiber)



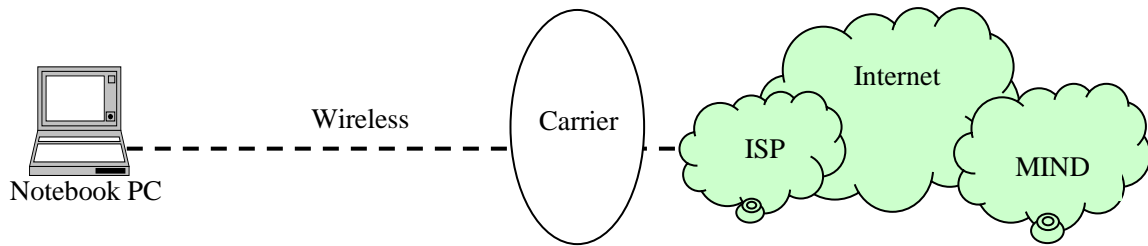
**Fig. 4-1. Using ADSL/FTTH**

#### 4.2. Access by Cable Internet



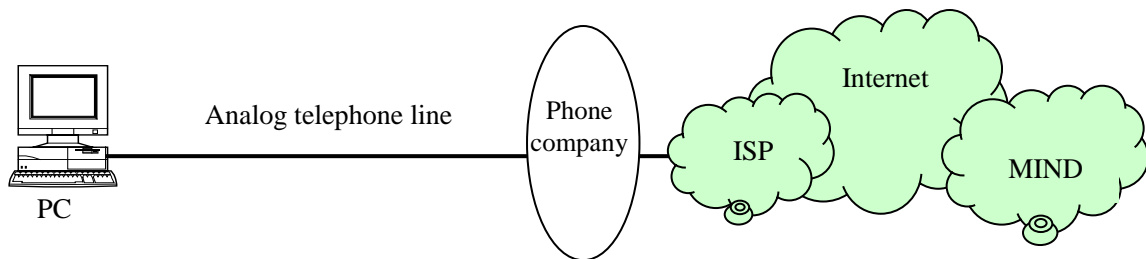
**Fig. 4-2. Access by Cable Internet**

### 4.3. Access via PHS (Microcellular) or Wireless Carrier



**Fig. 4-3. Wireless Access**

### 4.4. Access by Telephone Line



**Fig. 4-4. Using a Telephone Line**

## 5. Connecting to the Meiji University Network (MIND) and an Overview of Mobile Accounts

### 5.1. What Is MIND?

MIND (Meiji University Integrated Network Domain) is the general name for the networks in Meiji University. MIND connects to the science information network SINET operated by the National Institute of Informatics (NII) and to the commercial Internet service provider IJ, as part of the overall Internet (Fig. 5-1). It can therefore be used for sending e-mail to people all over the world and for viewing Internet websites.

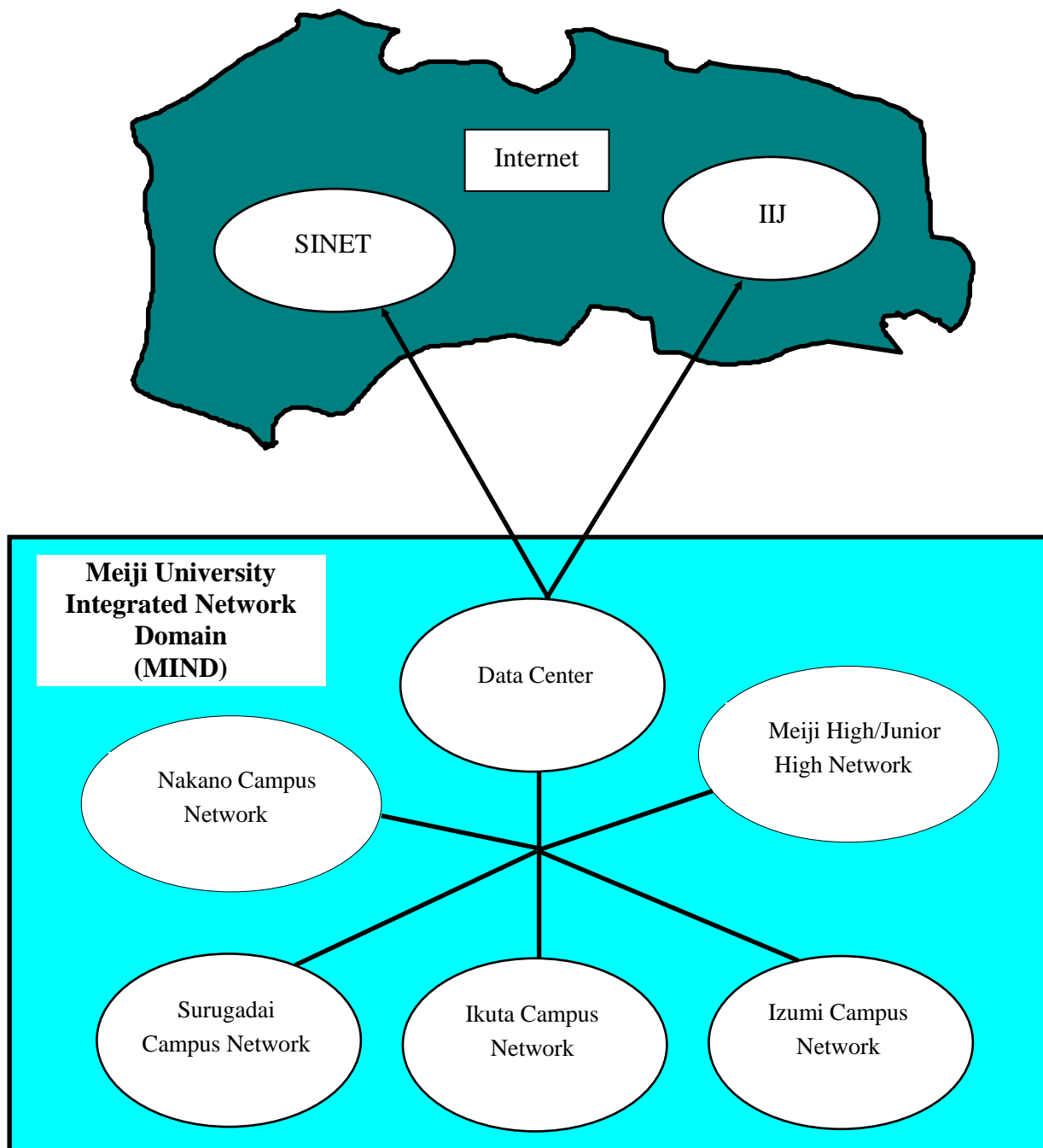


Fig. 5-1. Relation of MIND to SINET, IJ, and the Internet



## 5.2. Connections to MIND

You will need to apply for use before you can connect a computer to MIND for accessing network services. The application procedures are of the following two kinds, depending on how you will be connecting a computer to MIND.

1. Procedure when using a computer located in a research office, laboratory, etc.

→ The person responsible for connection submits a MIND User Application to the IT Systems & Infrastructure Headquarters.

2. Procedure when using MIND Mobile Connection Services

(1) Mobile Information Outlet Connection Service

A service used for temporarily connecting to the network from a mobile information outlet installed on each campus.

(2) SSL-VPN Connection Service

A service for temporarily connecting to a university network from home, overseas, or other off-campus location using the Internet.

(3) Wireless LAN Connection Service

→ The individual user connects with a Common Authentication System Account. ("Kyotsu-Ninsho" account)

(Those without such an account will need to apply for a MIND Mobile Account.)

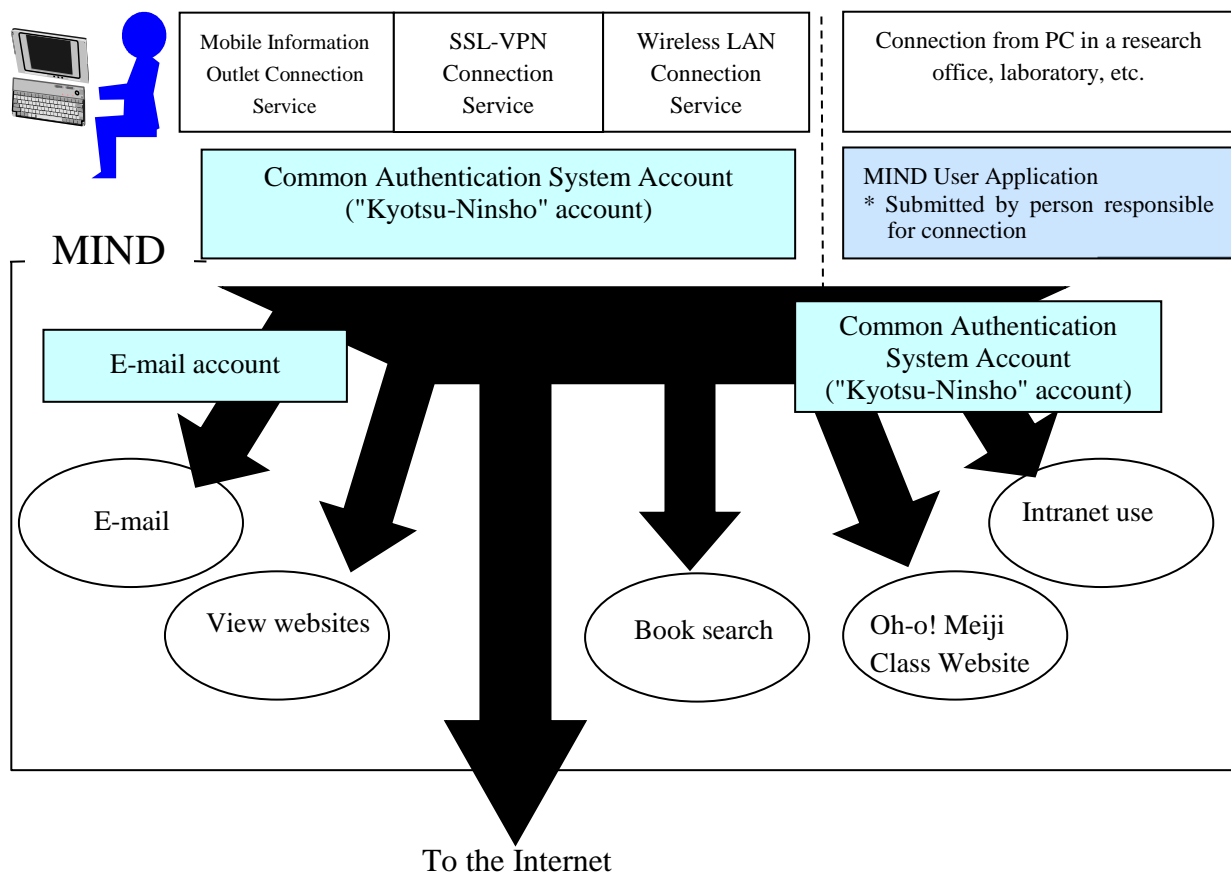


Fig. 5-2. Types of MIND Connections and Available Services

\* After connecting to MIND, you will be able to make use of the e-mail service provided by the IT Systems & Infrastructure Headquarters, the book search service provided by the university libraries, and other services.

### **5.3. Accounts for Using SSL-VPN Connection Service**

SSL-VPN Connection Service can be used with a Common Authentication System Account("Kyotsu-Ninsho" account).

University staff and students having a Common Authentication System Account("Kyotsu-Ninsho" account) can use SSL-VPN connection service without needing to perform any procedures in advance.<sup>(\*)</sup>

<sup>(\*)</sup> Students are required to attend MIND orientation before they are allowed to use SSL-VPN Connection Service.

Persons not having a Common Authentication System Account("Kyotsu-Ninsho" account) will need to apply separately for a **MIND Mobile Account** , mainly research promoters, research assistants, and visiting fellows.

Applying for a MIND Mobile Account is done by submitting a user application form. For more information, ask your school office, research promotion and intellectual property office, or other affiliated office.

**Inquire at the campus support desk regarding questions about usage.**

## 6. SSL-VPN Connection Service Setup

The operations described below are necessary in the following cases.

- (1) When setting up an SSL-VPN connection for the first time.
- (2) When setting up an SSL-VPN connection for the first time after a software upgrade has been executed in the SSL-VPN server.

\*

\*

### 6.1. Setting Up an SSL-VPN Connection on a PC (For the first time Only)

- (a) Open a web browser (Fig. 6-1-1).



Fig. 6-1-1. Web Browser Screen

- (b) Enter "https://sslvpn.mind.meiji.ac.jp/" in the address bar (Fig. 6-1-2).



Fig. 6-1-2. Entering URL for SSL-VPN Connection Page

- (c) In the Username field, enter your Common Authentication System Account ("Kyotsu-Ninsho" account) or MIND Mobile Account name. In the password field, enter your password, and then click "Sign In" (Fig. 6-1-3).



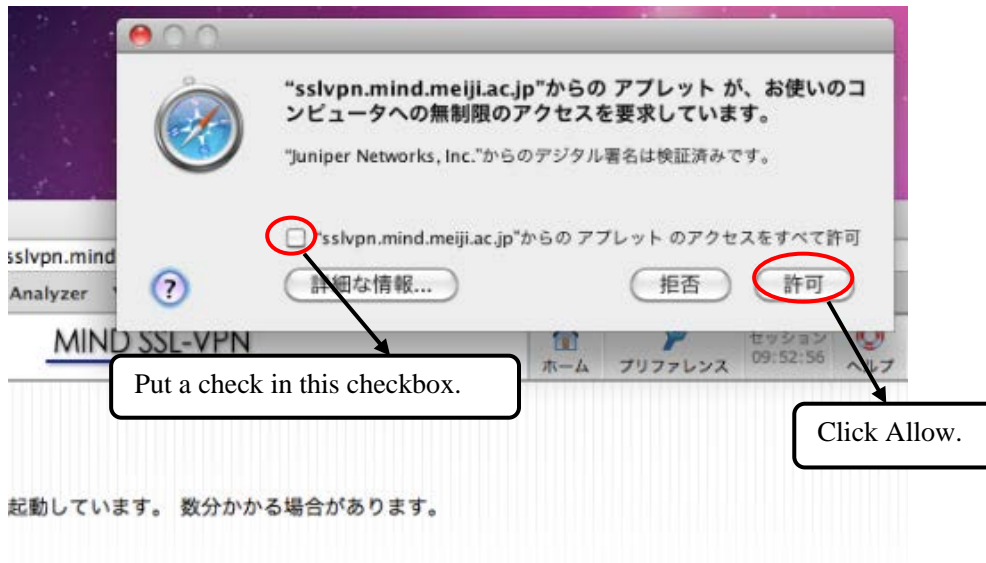
**Fig. 6-1-3. Entering Account and Password**

- (d) The SSL-VPN connection screen appears, then click the "Start" button for Junos Pulse (Fig. 6-1-4).



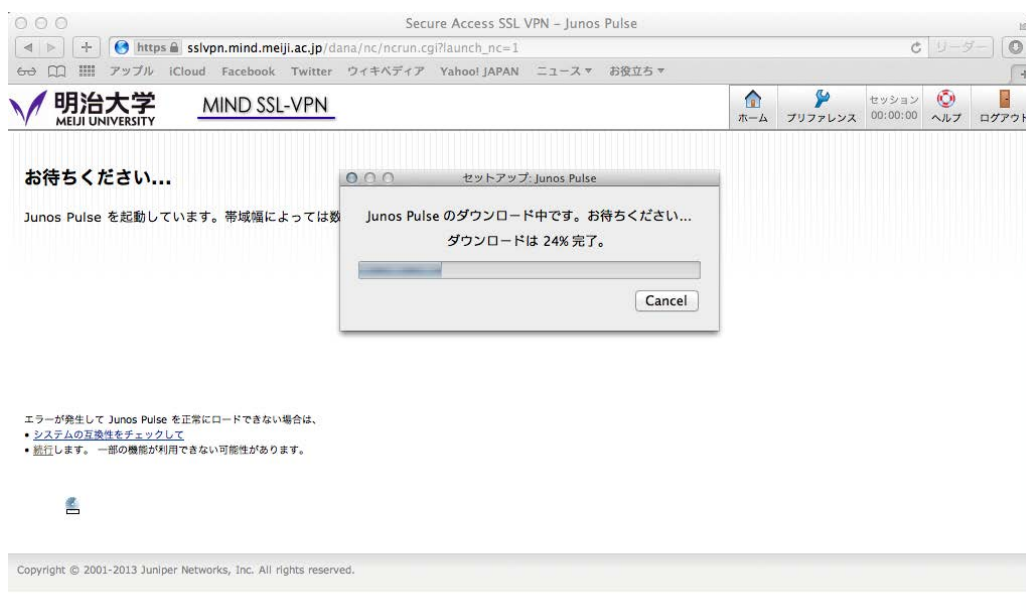
**Fig. 6-1-4. Starting Junos Pulse Application**

- (e) A popup dialog informs that an applet from "sslvpn.mind.meiji.ac.jp" is requesting access to your computer. Put a check by "Allow all applets from 'sslvpn.mind.meiji.ac.jp' with this signature" (initial time only). Then click Allow (Fig. 6-1-5).

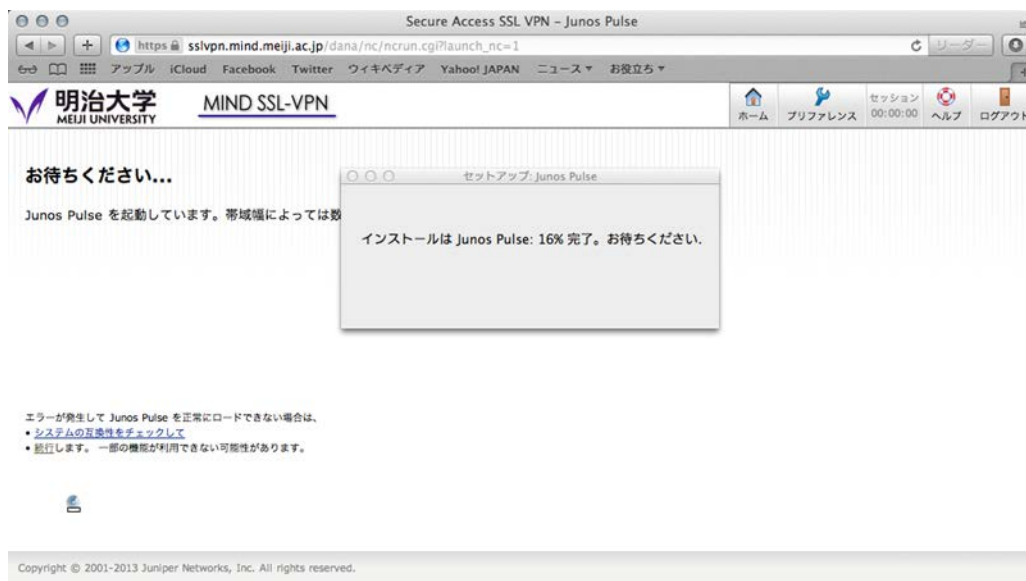


**Fig. 6-1-5. Access Request Popup Screen**

- (f) The message "Downloading Junos Pulse" is displayed (Figs. 6-1-6 and 6-1-7).



**Fig. 6-1-6. Downloading Junos Pulse Screen**



**Fig. 6-1-7. Installing Junos Pulse Screen**

\* When Fig. 6-1-7 messages do not appeared , See "12. How to troubleshoot when you cannot install or launch it".

(g) The starting Junos Pulse screen appears (Fig. 6-1-8, Fig 6-1-9).



**Fig. 6-1-8. Starting Junos Pulse Screen**



**Fig. 6-1-9. Starting Junos Pulse Screen**



- (h) If the SSL-VPN connection icon is displayed as below, the SSL-VPN installation and connection are complete (Fig. 6-1-10, Fig. 6-1-11).



**Fig. 6-1-10. Confirming Taskbar**



**Fig. 6-1-11. Junos Pulse Popup Screen**



## 7. Using SSL-VPN Connection Service

Note:

Connect to an ISP before initiating an SSL-VPN connection (confirm that you can view websites).

### 7.1. Initiating an SSL-VPN Connection

(a) Click "Finder" on the task bar. (Fig. 7-1-1).



Fig. 7-1-1. Click "Finder" on the task bar

(b) When "Finder" opens, Click on Applications (Fig. 7-1-2).

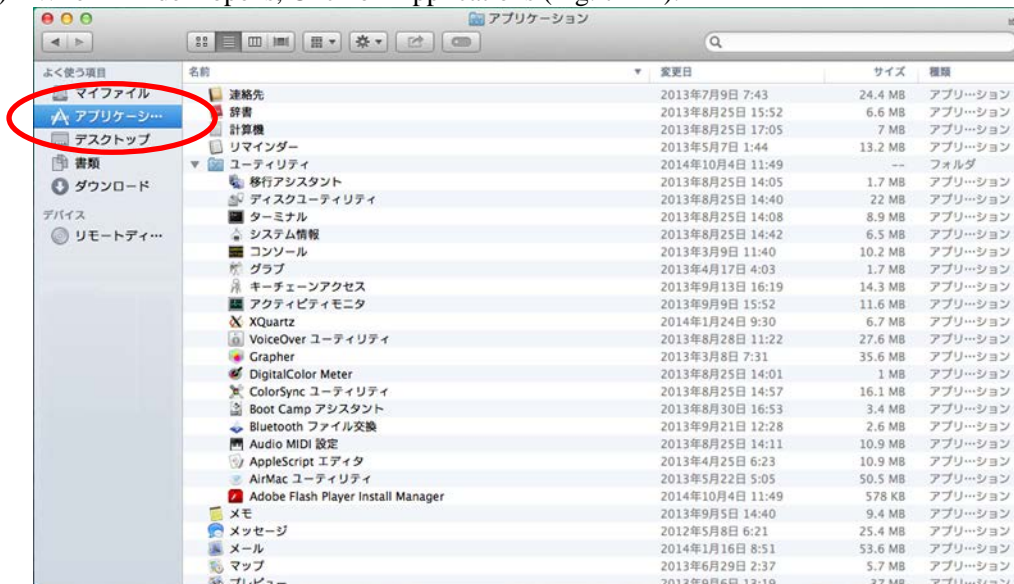
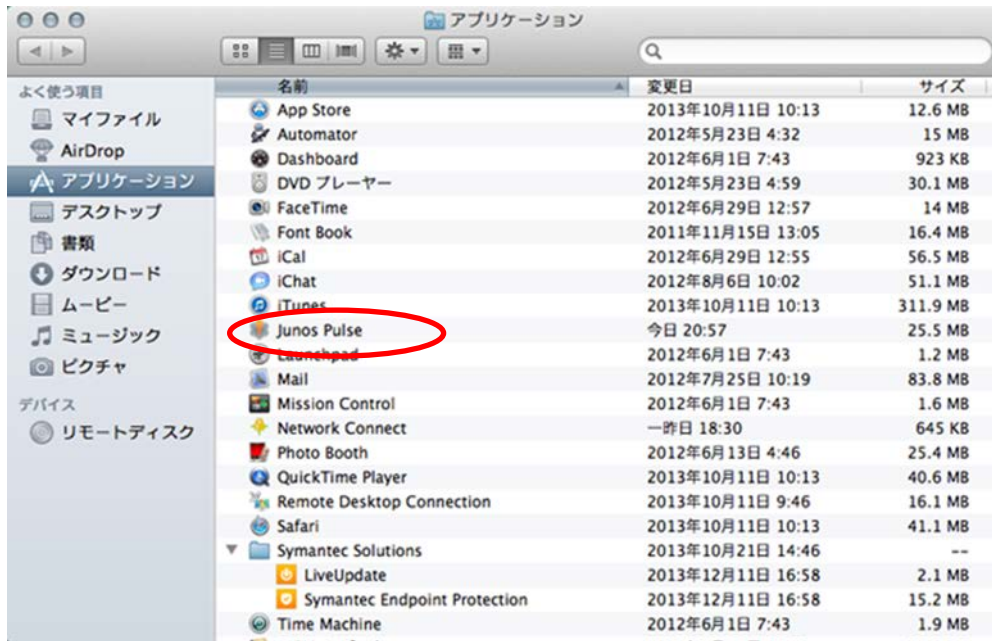


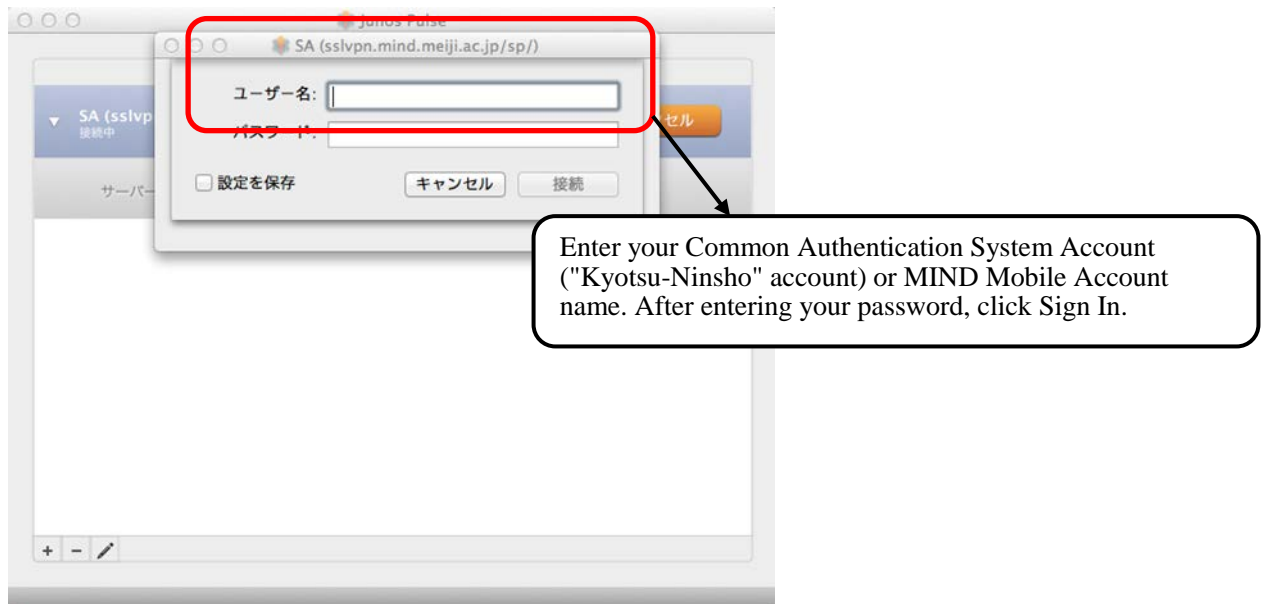
Fig. 7-1-2. Click on the Applications

- (c) When the Applications folder opens, double-click on Junos Pulse (Fig. 7-1-3).



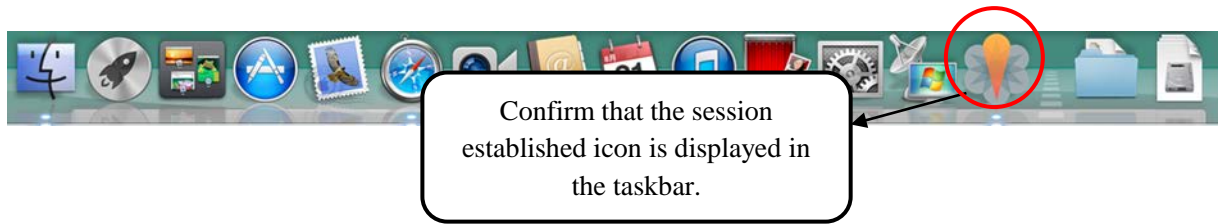
**Fig. 7-1-3. Double-Click on the Network Connect Icon**

- (d) When the SSL-VPN connection authentication page appears enter your Common Authentication System Account ("Kyotsu-Ninsho" account) or MIND Mobile Account name as the user name, and your password, then click "Sign In" (Fig. 7-1-4).



**Fig. 7-1-4. Entering Account and Password**

- (e) When a session has been established, a padlock icon is displayed in the taskbar (Fig. 7-1-5). At this time the Junos Pulse popup dialog is also displayed (Fig. 7-1-6).



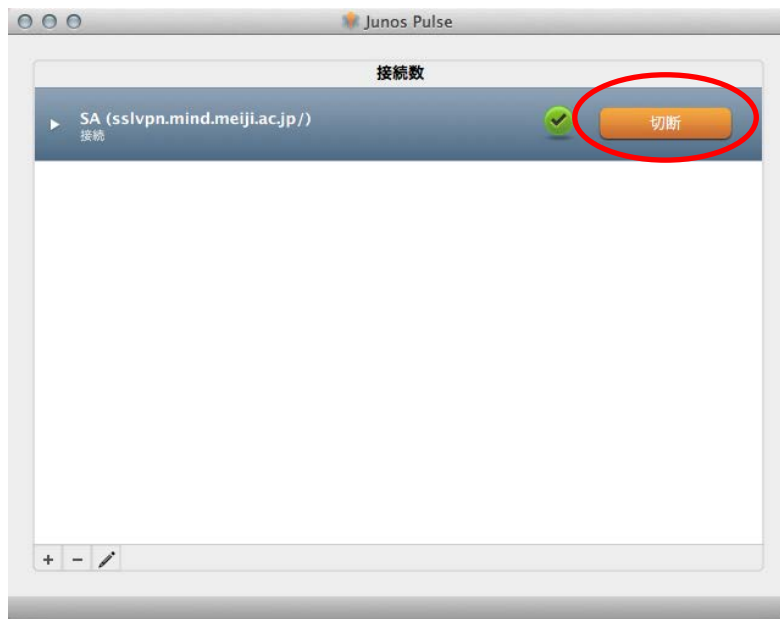
**Fig. 7-1-5. Confirming Taskbar**



**Fig. 7-1-6. Junos Pulse Popup Screen**

## 7.2. Terminating an SSL-VPN Connection

- (a) In the Network Connect popup dialog, click Sign Out (Fig. 7-2-1).



**Fig. 7-2-1 Click Sign Out**

- (b) If the green check icon disappears, SSL-VPN is disconnected. (Fig. 7-2-2).



**Fig. 7-2-2 Click Sign Out**

## 8. Viewing Campus-Only Pages

Now try actually viewing some campus-only pages (links that can be accessed only from the university's internal network or using SSL-VPN Connection Service).

### 8.1. Viewing Services That Use Outside Databases

The examples below are for services that use outside databases of the Meiji University libraries, and which are basically accessible only via Meiji University's internal network.

- (a) Enter the URL of the Meiji University Libraries website (<http://www.lib.meiji.ac.jp/>), and click "Database" on the top page (Fig. 8-1-1).



Fig. 8-1-1. Top Page of Meiji University Libraries



- (b) The outside database page shows a list of databases (Fig. 8-1-2). Click on the database you want to use. In this example we choose eol ESPer (Fig. 8-1-3).



Fig. 8-1-2. Outside Database Page



Fig. 8-1-3. Click the Login Button

- (c) The login screen for a Common Authentication System Account("Kyotsu-Ninsho" account) appears. Enter your student or faculty identification number and password, and click the Submit button (Fig. 8-1-4). If the login information is correct, the search page for the selected database appears.

パスワード入力

SpeedGuide...IP Analyzer Yahoo! Japan Google マップ YouTube Wikipedia ニュース (211) お役立ち

# 明治大学共通認証システム

Meiji University ID Authentication System ("Kyotsu-Ninsho")

## 学生番号/教職員番号とパスワードを入力してください

Please input your Student or Faculty Number and your Password

 MEIJI UNIVERSITY

学生番号/教職員番号  
Student / Faculty No.

パスワード  
Password

送信 Submit    クリア Clear

パスワード変更 Change your password

**お知らせ** Notice

初めて共通認証システムを使用する際は、[こちらの](#)注意事項を参照ください。  
Please refer [here](#) before you use the "Kyotsu-Ninsho" System

※毎朝AM3:00から4:00まで、データバックアップ作業を行うため、パスワード変更が出来ません。なお、パスワード変更以外の動作には影響はございません。

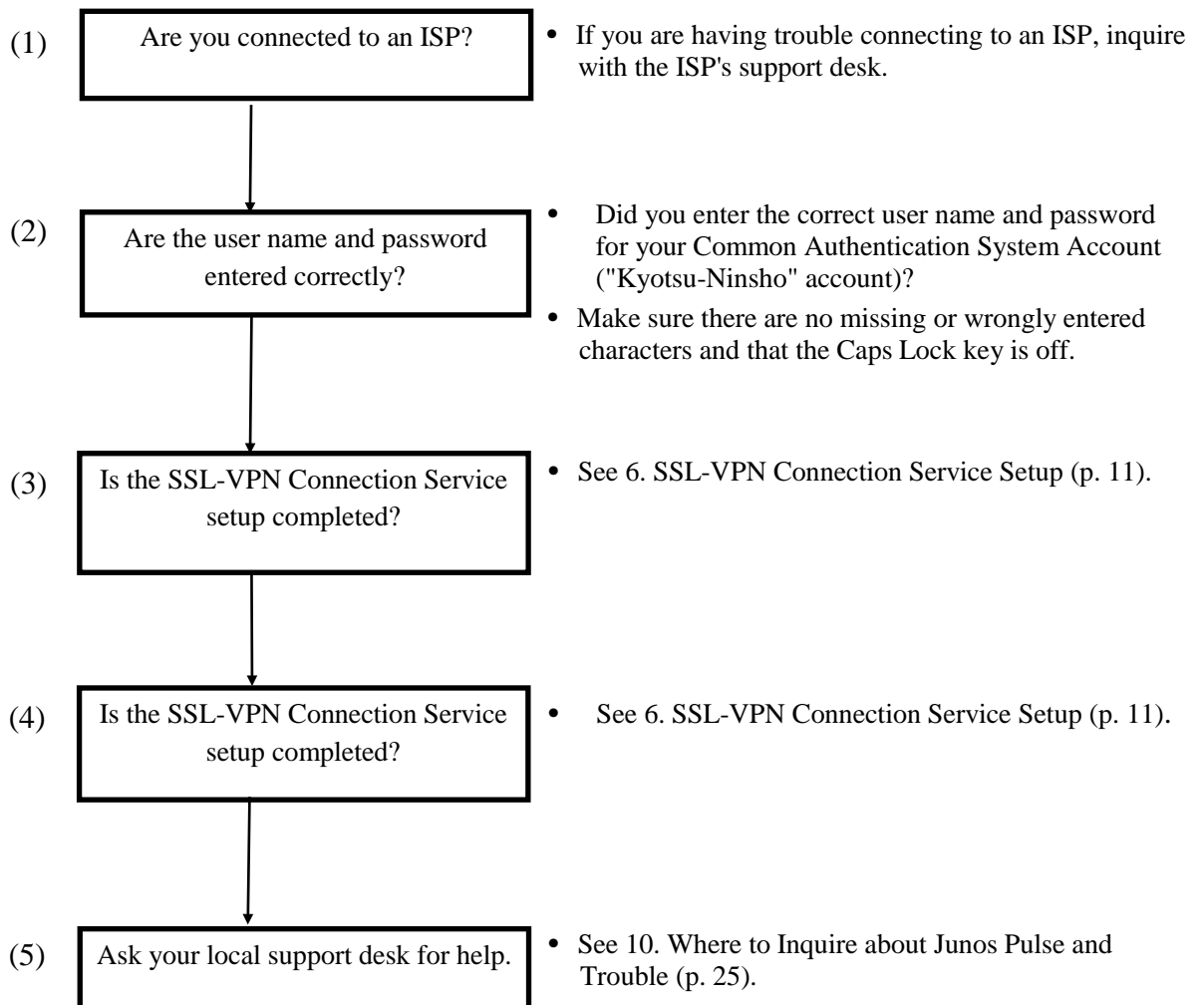
**Fig. 8-1-4. Login Screen for Common Authentication System("Kyotsu-Ninsho")**

## 9. Troubleshooting

Are you having trouble setting up an SSL-VPN connection? Are you unable to access an outside database service that must be used from Meiji University's internal network? First check the items below, which will help you decide where the problem lies. (E.g., is the problem with the connection to the Internet itself? Or can you connect to the Internet OK but cannot establish an SSL-VPN connection?)

If you cannot determine a solution, contact your campus support desk.

Suggestions for dealing with various types of trouble are given to the right of each item below.





## 10. Where to Inquire about Network Connections and Trouble

### Surugadai Campus:

Surugadai Campus Support Desk

Location: 7F, Building No. 12

Tel.: 03-3296-4286 (Ext.: 4286)

Location: 7F, Liberty Tower

Tel.: 03-3296-2389 (Ext.: 2389)

Media Support Office

Location: 7F, Building No. 12

Tel.: 03-3296-4438 (Ext.: 4438)

### Izumi Campus:

Izumi Campus Support Service

Location: 1F, Izumi Media Building

Tel.: 03-5300-1190 (Ext.: 1190)

Izumi Media Support Office

Location: 1F, Izumi Media Building

Tel.: 03-5300-1189 (Ext.: 1189)

### Ikuta Campus:

Ikuta Campus Support Desk

Location: 5F, Main Building

Tel.: 044-934-7711 (Ext.: 7711)

Ikuta Media Support Office

Location: 5F, Main Building

Tel.: 044-934-7710 (Ext.: 7710)

### Nakano Campus:

Nakano Campus Support Desk

Location: 4F, Low Building

Tel.: 03-5343-8072 (Ext.: 8072)

Nakano Research and Education Support Office

Location: 3F, Low Building

Tel.: 03-5343-8012 (Ext.: 8012)

## 11. Reference URLs

Meiji Univ. website	<a href="http://www.meiji.ac.jp/">http://www.meiji.ac.jp/</a>
MIND website	<a href="http://www.meiji.ac.jp/mind/">http://www.meiji.ac.jp/mind/</a>
IT Systems & Infrastructure Headquarters	<a href="http://www.meiji.ac.jp/isc/">http://www.meiji.ac.jp/isc/</a>
Support Desk	<a href="http://www.meiji.ac.jp/mind/en/support/office.html">http://www.meiji.ac.jp/mind/en/support/office.html</a>

## 12. How to troubleshoot when you cannot install or launch it

This section describes how to troubleshoot Junos Pulse by reconfiguring Java when you cannot install or launch it. If Junos Pulse works normally, then you do not need to read this section.

### 12.1. Supported version

As of April 15, 2014, We confirmed the case that Junos Pulse did not work any place other than the environment listed next. In such a case, try setting listed in this section.

OS	Web browser	Java
Windows 8 Windows 7 Windows Vista	Internet Explorer 7.0 - 11.0 Firefox 3.0 - 10.0	Oracle JRE6-7
MacOS X 10.8.x MacOS X 10.7.x MacOS X 10.6.x	Safari 5.0-6.0	Sun JRE 6-7

### 12.2. Changing the configuration of JAVA

- (a) Start "JAVA Control Panel" from "System Configuration".



(b) Move to the editing screen on the "exception site list".

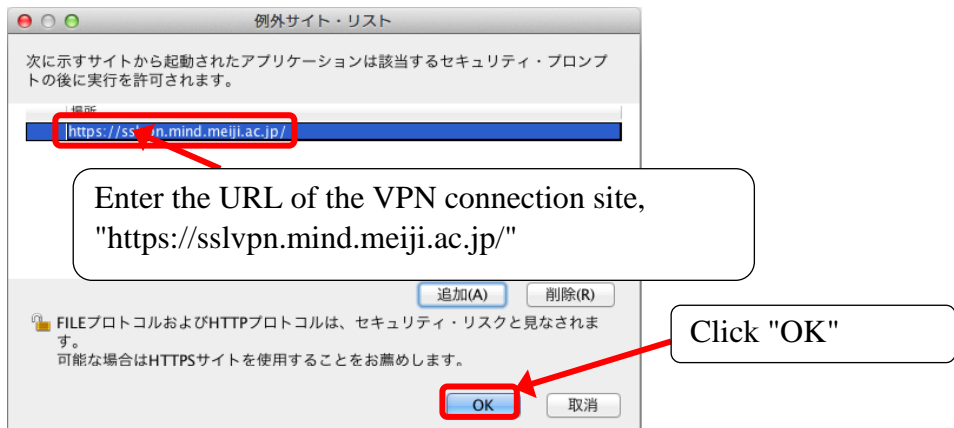
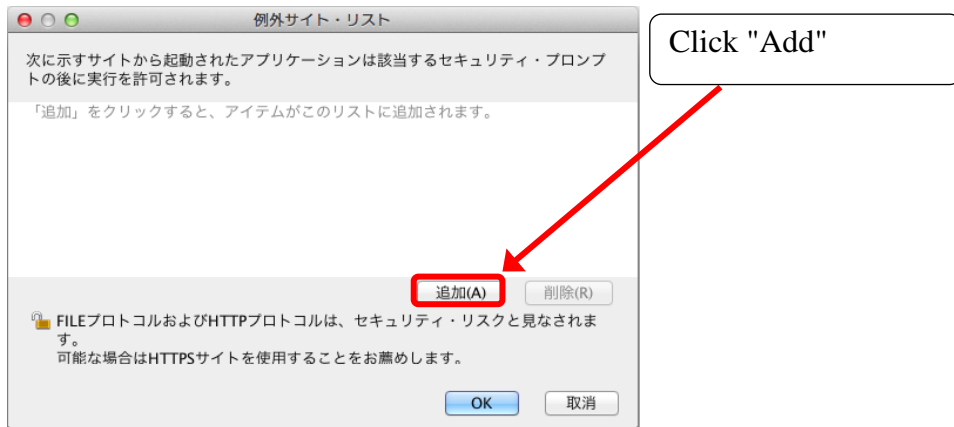


Click "Security" tab

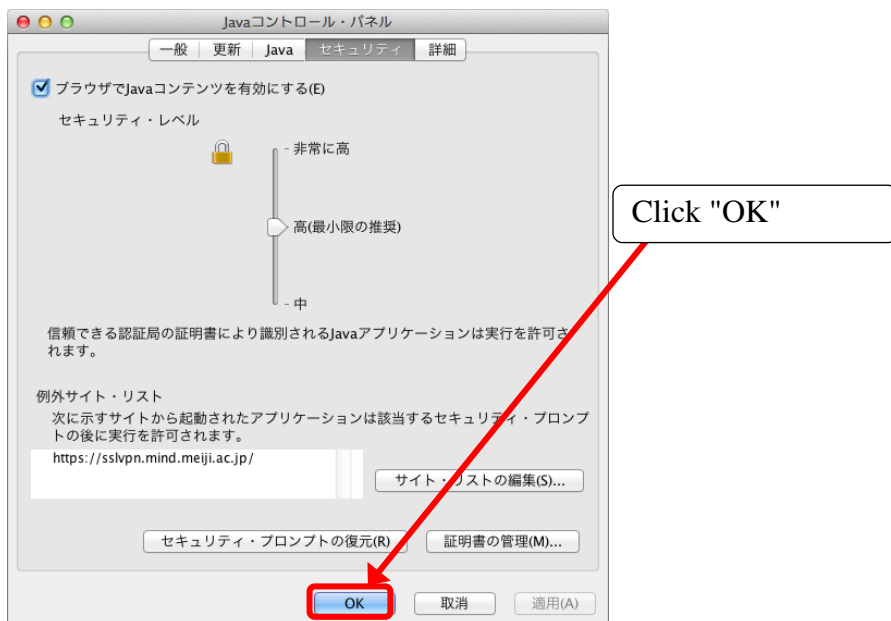


Click "edit the exception site list"

- (c) Add the URL of the VPN connection site to the "exception site list".



- (d) Close the "Java console panel" screen.



- (e) Close the "System Configuration" screen.