

Guidebook for MIND Users
SSL-VPN Connection Service
(Windows 8 Edition)

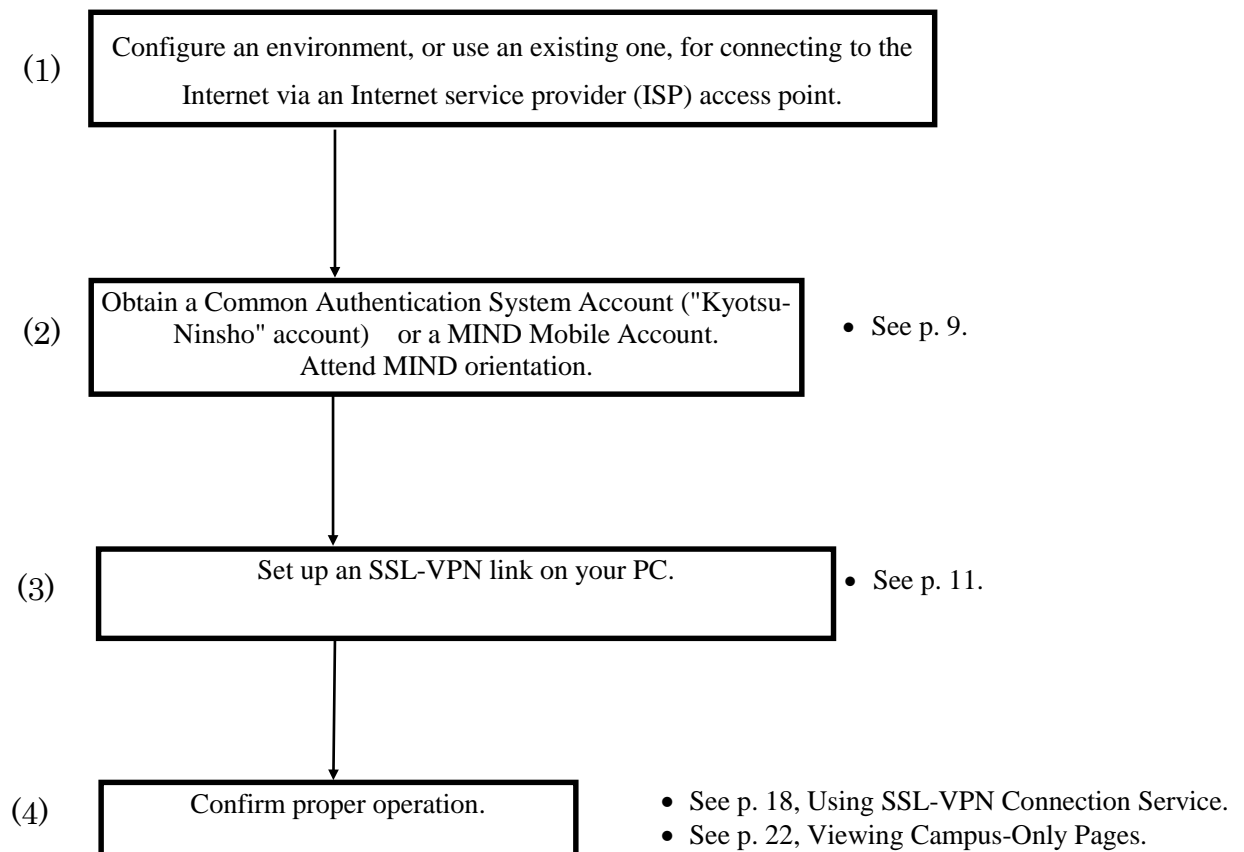
June 8, 2015

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 the university's internal 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

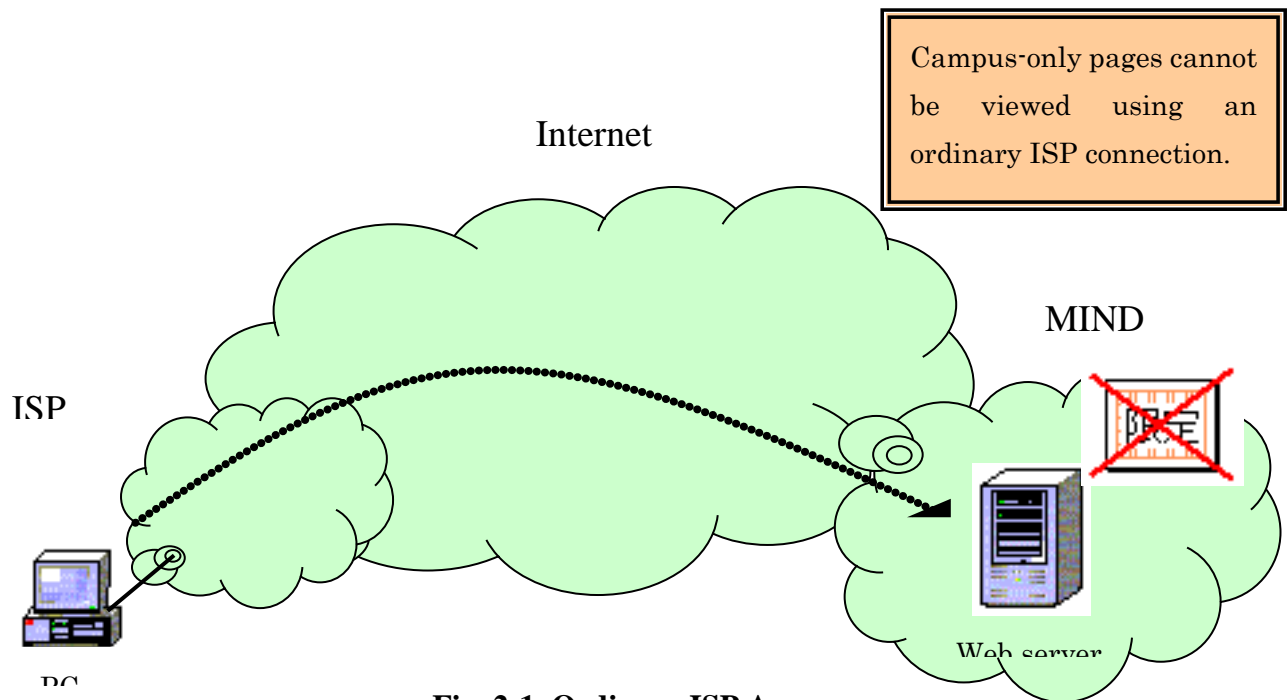


Fig. 2-1. Ordinary ISP Access

Ordinary ISP Access + Internet SSL-VPN Access

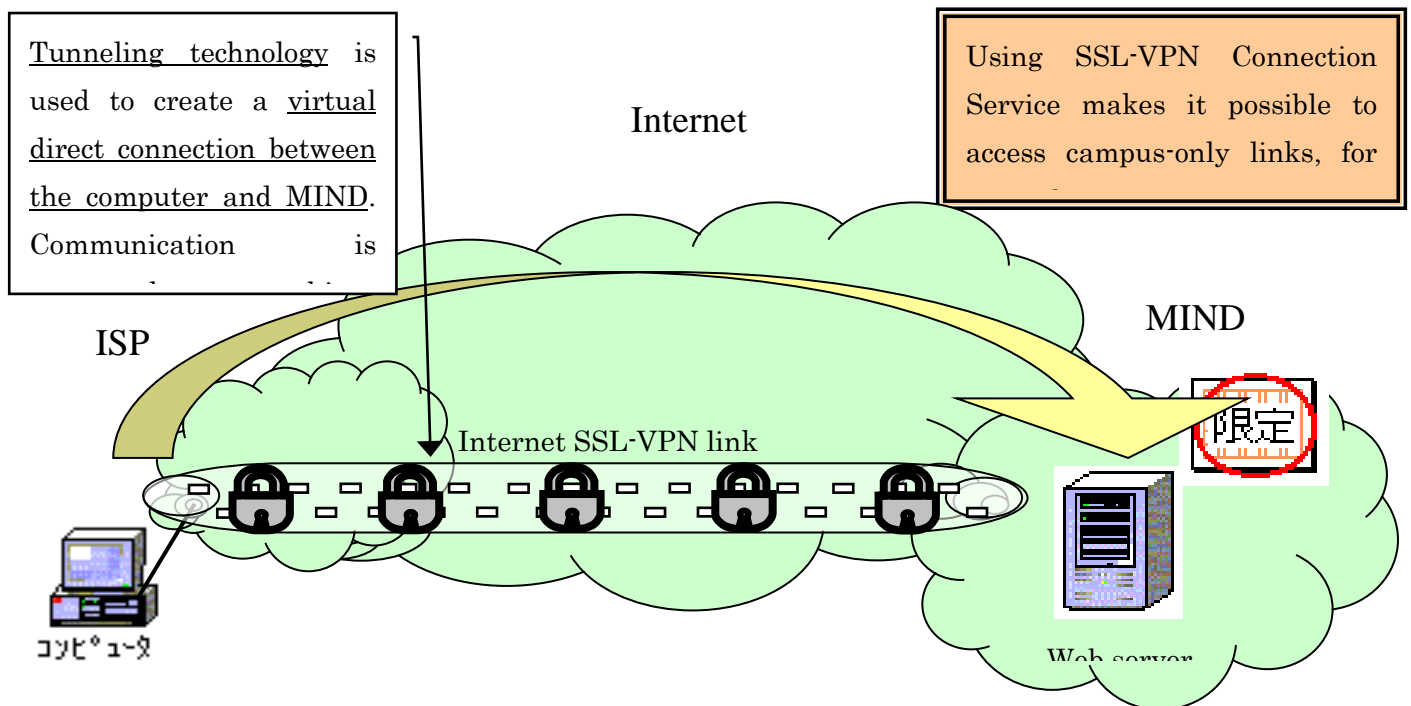


Fig. 2-2. Ordinary ISP Access + Internet SSL-VPN Access

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
Windows 8	Internet Explorer 9 and 10,11
Windows 7	Internet Explorer 8 and 9
Windows Vista	Internet Explorer 7 and 8

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)

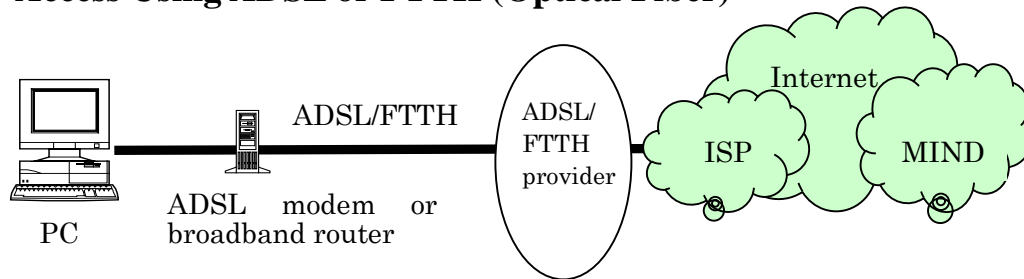


Fig. 4-1. Using ADSL/FTTH

4.2. Access by Cable Internet

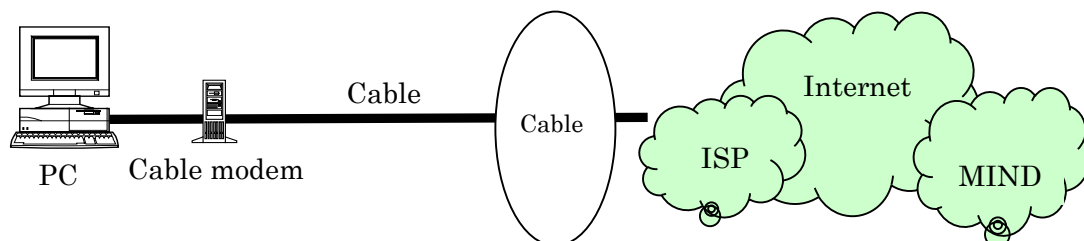


Fig. 4-2. Access by Cable Internet

4.3. Access via PHS (Microcellular) or Wireless Carrier

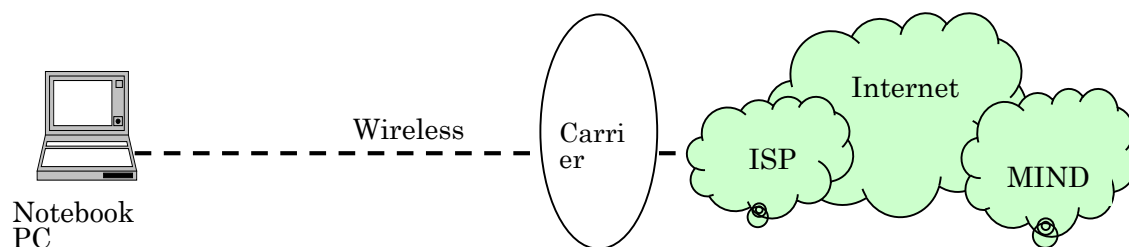


Fig. 4-3. Wireless Access

4.4. Access by Telephone Line

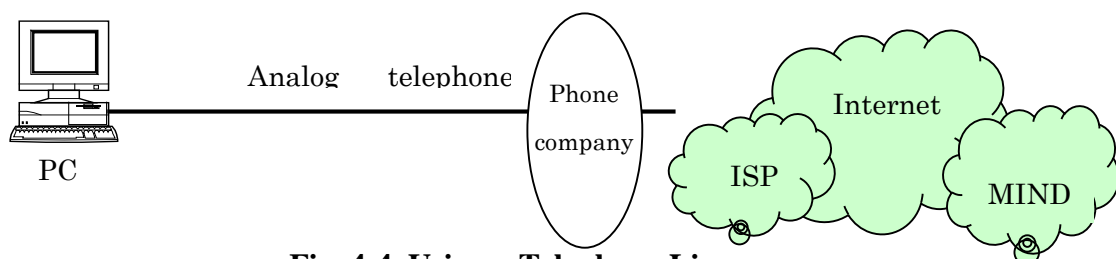


Fig. 4-4. Using a Telephone Line

5. Connecting to the Meiji University Network (MIND)

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.

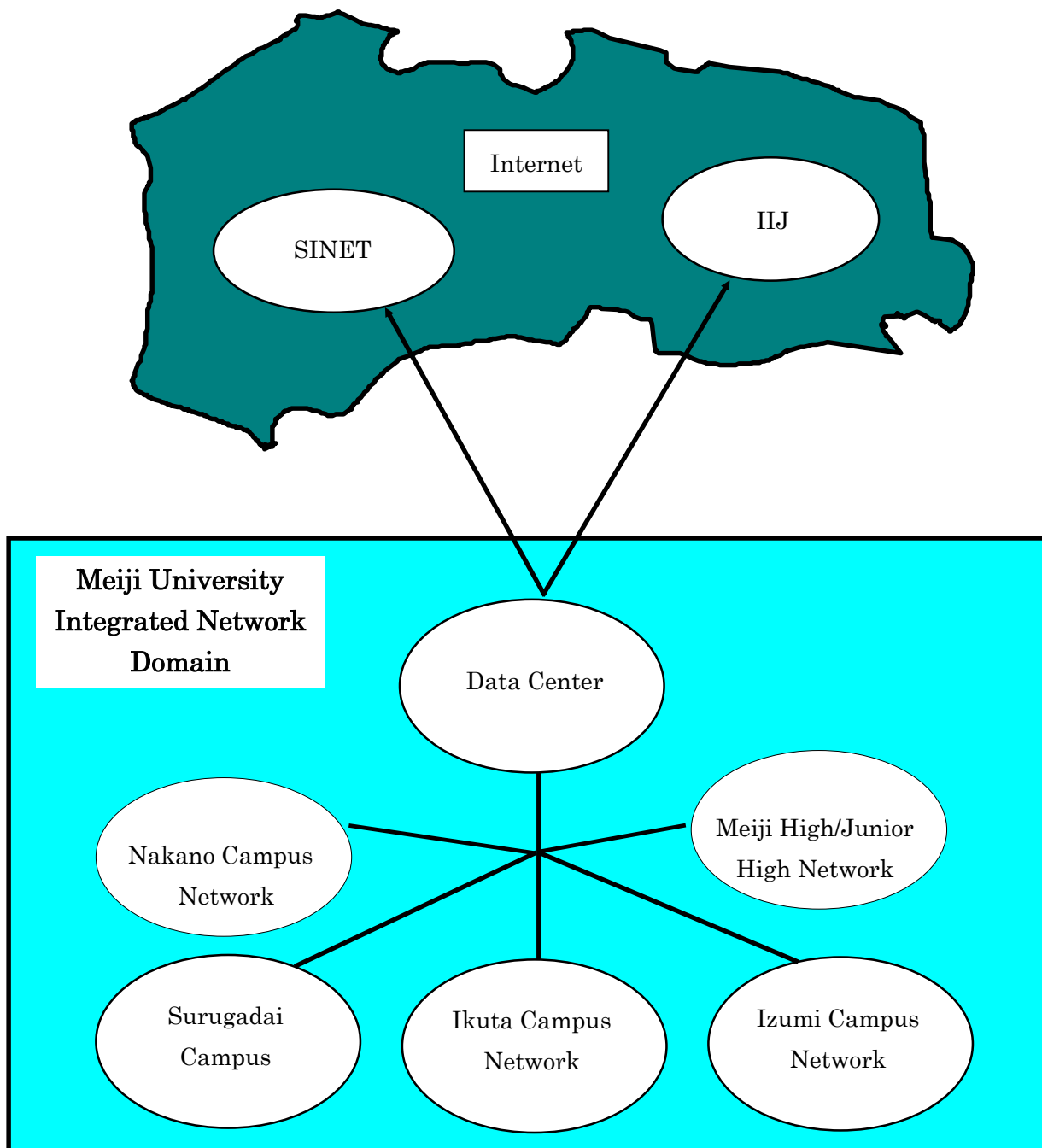


Fig. 5-1. Relation of MIND to SINET, IJ, and the Internet

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 the 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.)

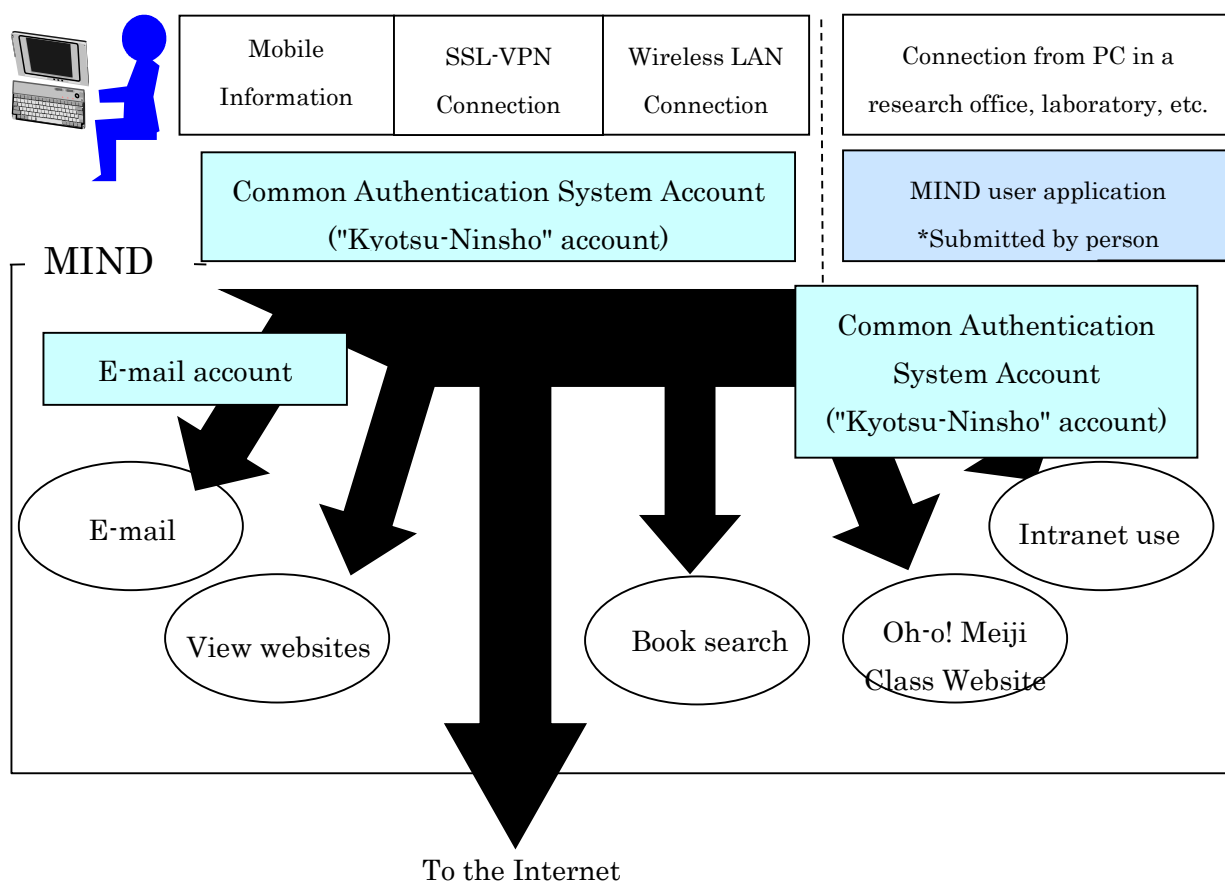


Fig. 5-2. Types of MIND Connections and Available Services

* 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.^(*)

(*) 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).

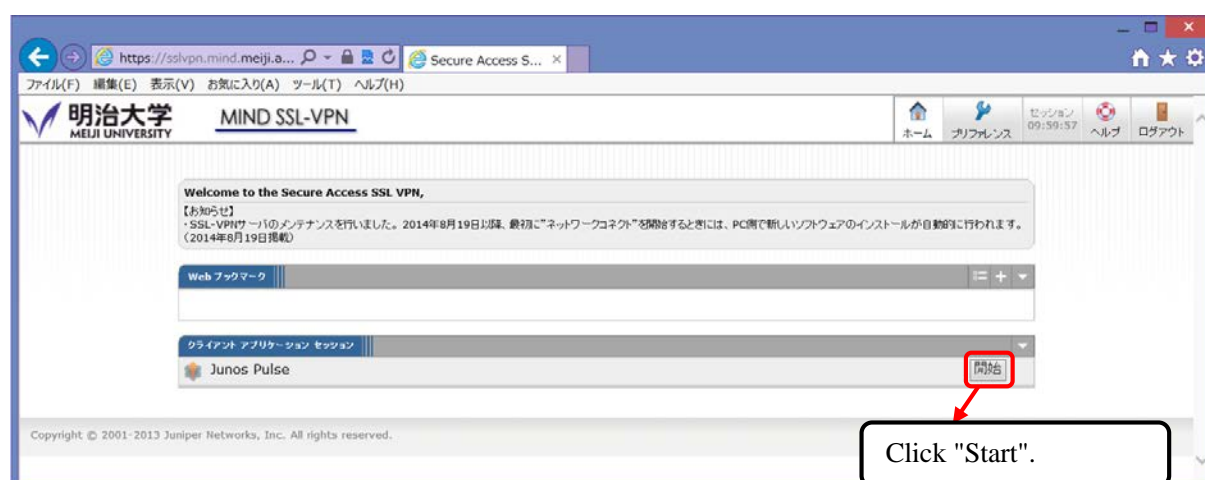


Fig. 6-1-4. Starting Junos Pulse

(e) The dialog box appears ("Setup Control—Alert") in the middle of the screen, then click "Always" (Fig. 6-1-5).

Note: If you click "OK" instead of "Always", the "Setup Control—Alert" dialog box will appear each time you initiate the connection.

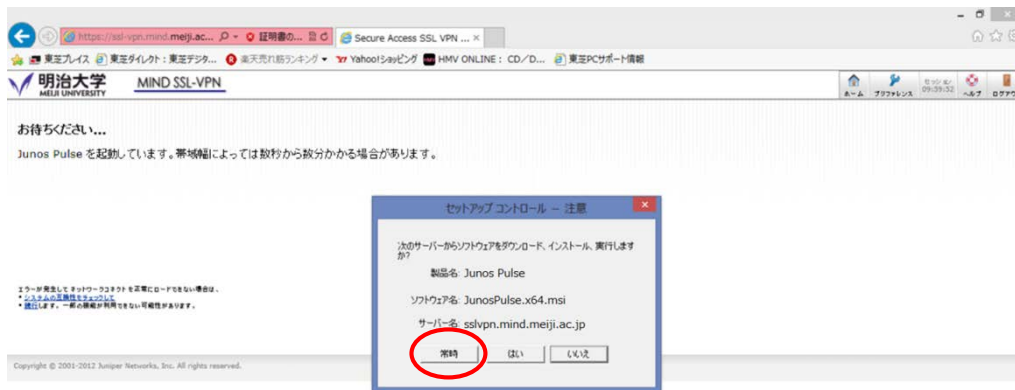


Fig. 6-1-5. "Setup Control—Alert" Dialog Box

- (f) The message appears: "Please wait while the application is being installed" (Figs. 6-1-6).



Fig. 6-1-6. Installing SSL-VPN Application

- (g) When the User Account Control dialog box displays the message, "Do you want to allow the following program to make changes to this computer?" click YES (Fig. 6-1-7).
- * This message appears the first time the SSL-VPN application is installed.

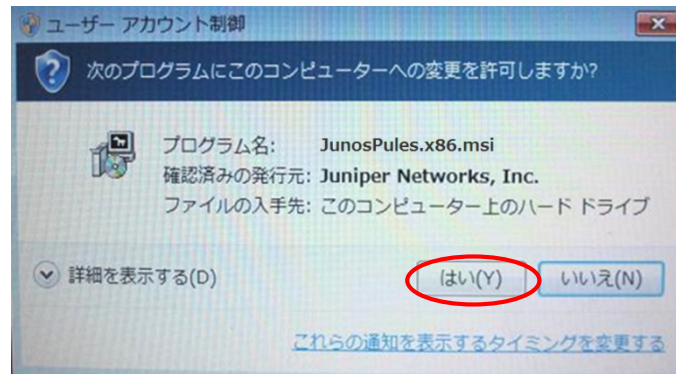


Fig. 6-1-7. User Account Control Dialog Box

(h) The operations from Fig. 6-1-6 to Fig. 6-1-7 are repeated several times thereafter.

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

- (i) The starting Junos Pulse screen appears (Fig. 6-1-8).

Click the "Show Hidden Icons" button in the notification area at the lower-right corner of the screen (Fig. 6-1-10).

- * Depending on the Windows taskbar settings, all icons may already be visible including the SSL-VPN connection icon (a padlock).



Fig. 6-1-8. "Starting Network Connect"



Fig. 6-1-9. Click "Show Hidden Icons"

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

- * It may take one to two minutes before the icon is displayed.

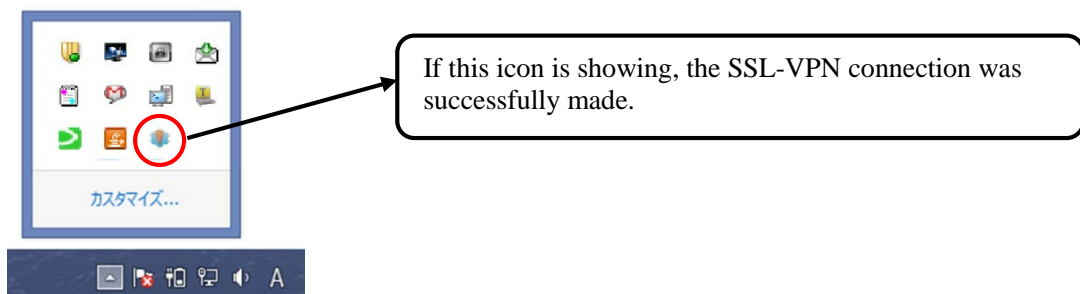


Fig. 6-1-10. "SSL-VPN Installation and Connection Complete" Screen

If you installed "network connect" which is no longer needed on your PC, then uninstall it.

Everytime you log in to the OS, "Junos Pulse" starts automatically. If you want to stop automatic start of "Junos Pulse", the operations described (k)-(p) are needed.

(k) Right Click "Task bar" and click "Task Manager". (Fig. 6-1-11).

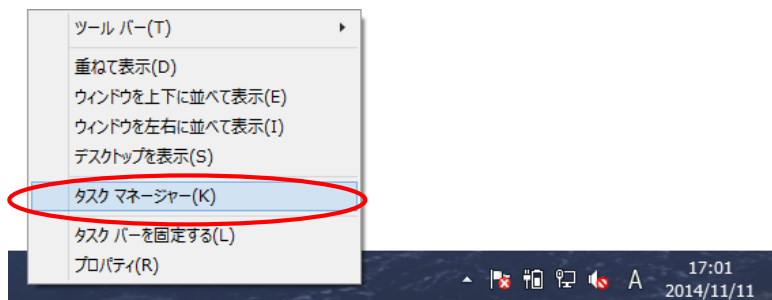


Fig. 6-1-11. "SSL-VPN Installation and Connection Complete"

(l) Task Manager starts. If displayed "Easy Display Mode", Click "Detail" and change mode to "Detailed Display Mode". (Fig. 6-1-12).

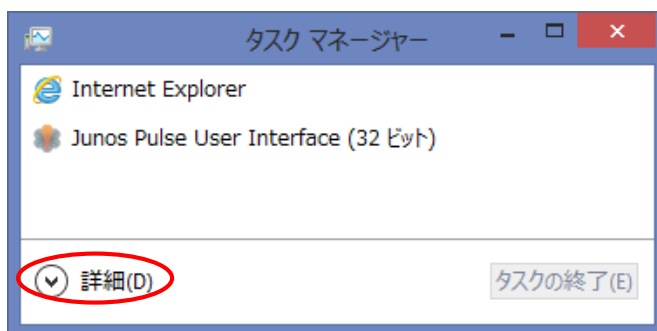


Fig. 6-1-12. "Easy Display Mode" Screen

(m) When "Detail Display Mode" screen appears, Click "Startup" tab.

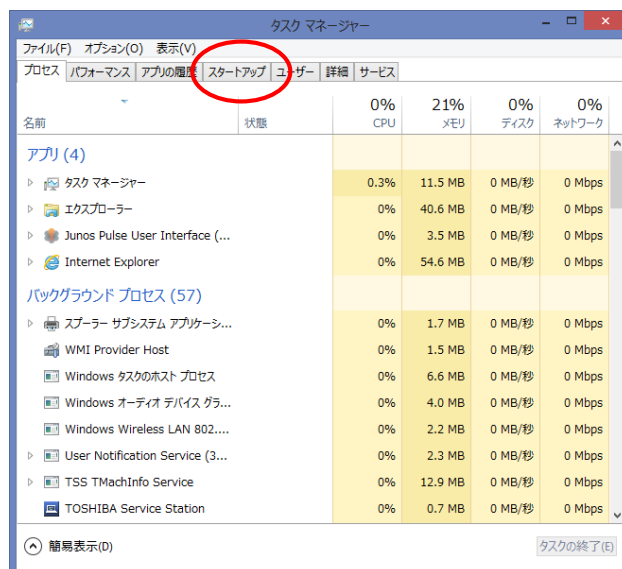


Fig. 6-1-13. "Detail Display Mode" Screen

- (n) Click "Junos Pulse", and then click "Invalid". (Fig. 6-1-14).

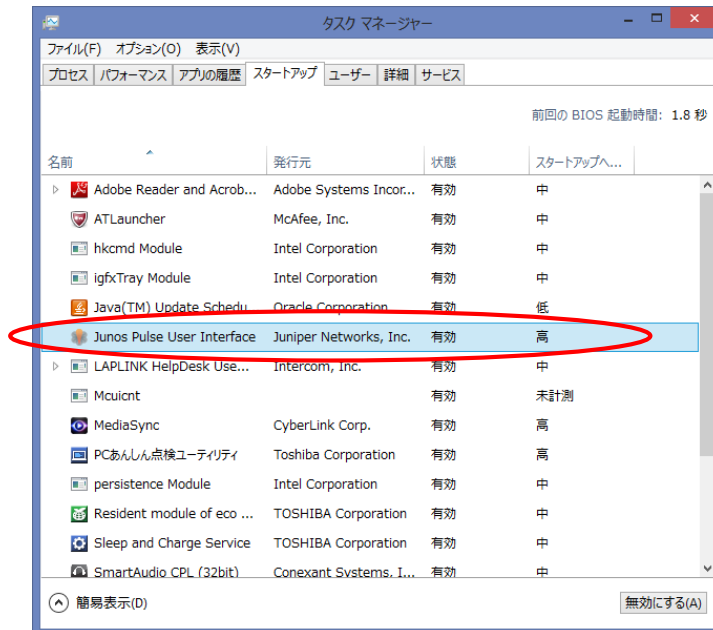


Fig. 6-1-14. Change to "Invalid" status of Junos Pulse

- (o) Check status of "Invalid Status" of Junos Pulse. (Fig. 6-1-15).

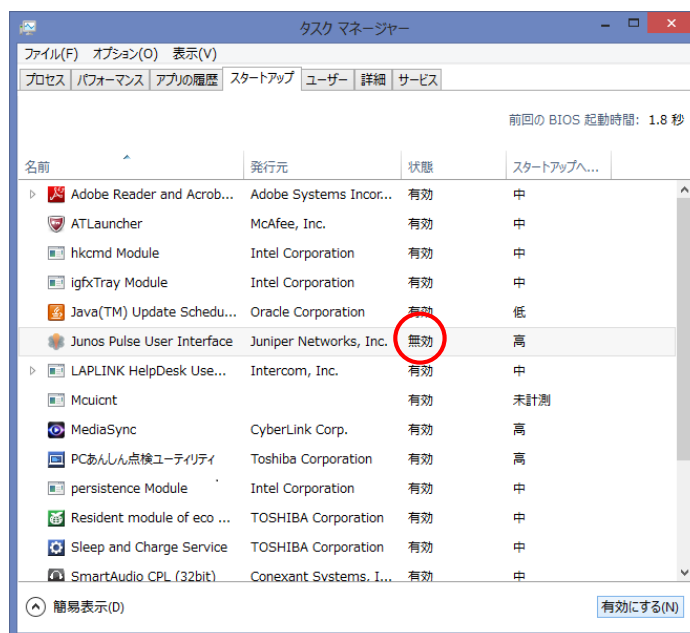


Fig. 6-1-15. Check Status of Junos Pulse

- (p) Settings are complete. Close the Task Manager 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) Open a web browser (Fig. 7-1-1).



Fig. 7-1-1. Web Browser Screen

(b) Open "Start menu", click "Junos Pulse" (Fig. 7-1-2).

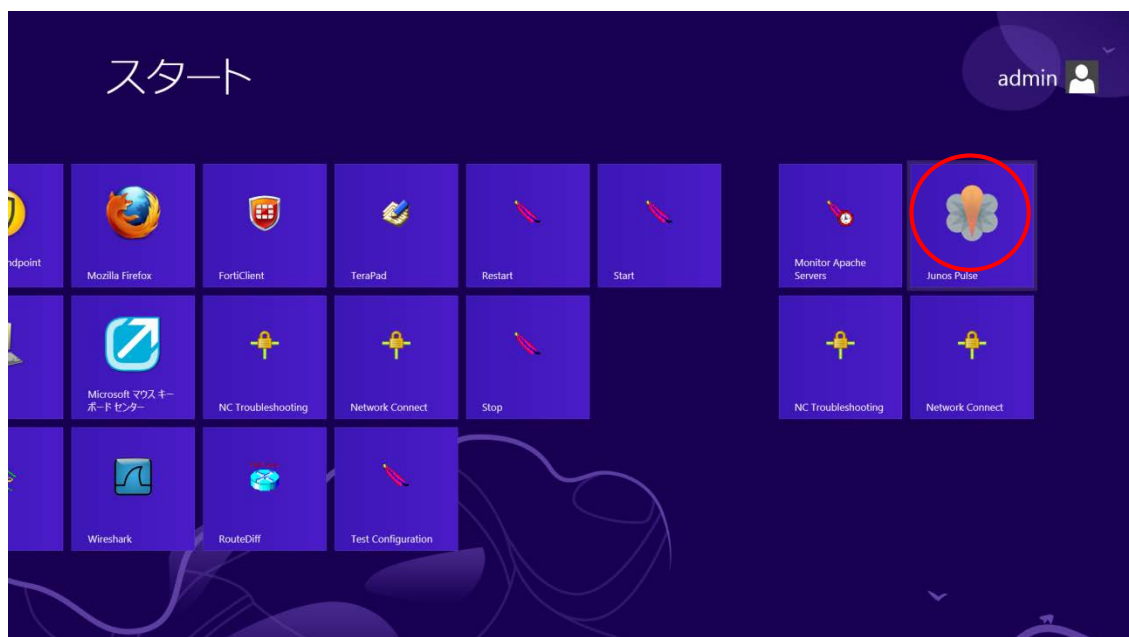


Fig. 7-1-2. Selecting Application on Start Menu

(c) After starting Junos Pulse, Click "connection" displayed beside "SA(sslvpn.mind.meiji.ac.jp)". (Fig. 7-1-3).



Fig. 7-1-3. Selecting connection on Junos Pulse

(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. Account and Password Entry

- (e) The SSL-VPN connection screen appears with the message "Connection Complete" (Fig. 7-1-5).



Fig. 7-1-5. "Connection Complete" Screen

7.2. Terminating an SSL-VPN Connection

- (a) Click the "Show Hidden Icons" button in the notification area at the lower-right corner of the screen (Fig. 7-2-1).

* Depending on the Windows taskbar settings, all icons may already be visible including the SSL-VPN connection icon (a padlock).



Fig. 7-2-1. Click the "Show Hidden Icons" Button

- (b) Click the "Disconnection" button. (Fig. 7-2-2).



Fig. 7-2-2. Click the "Disconnection" Button

- (c) If the green check icon disappears, SSL-VPN is disconnected. (Fig. 7-2-3).

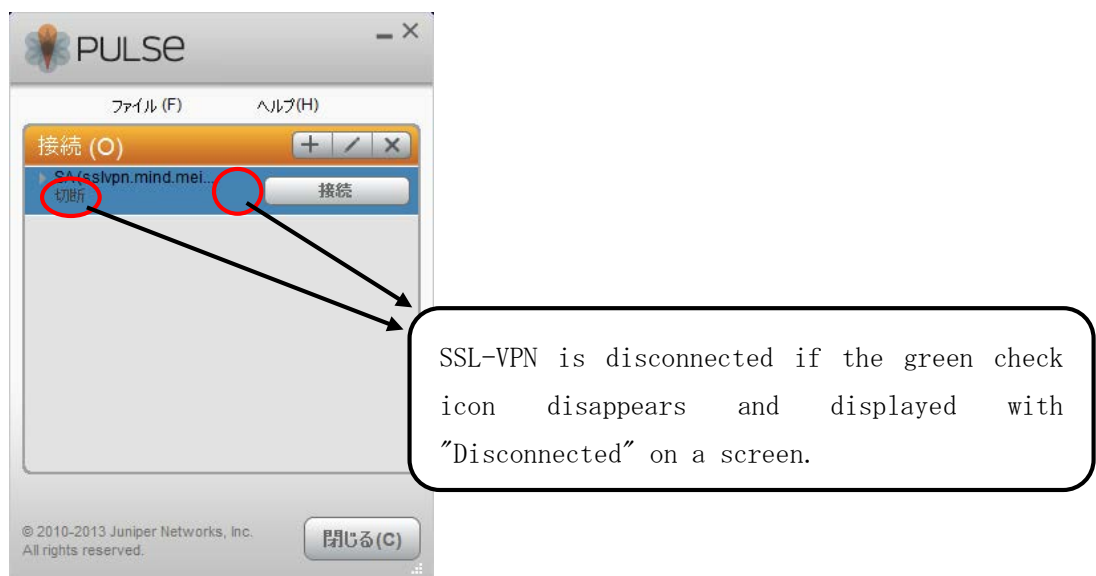


Fig. 7-2-3. "Disconnection" screen

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 from 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 Nikkei Telecom 21 (Fig. 8-1-3).



Fig. 8-1-2. Outside Database Page

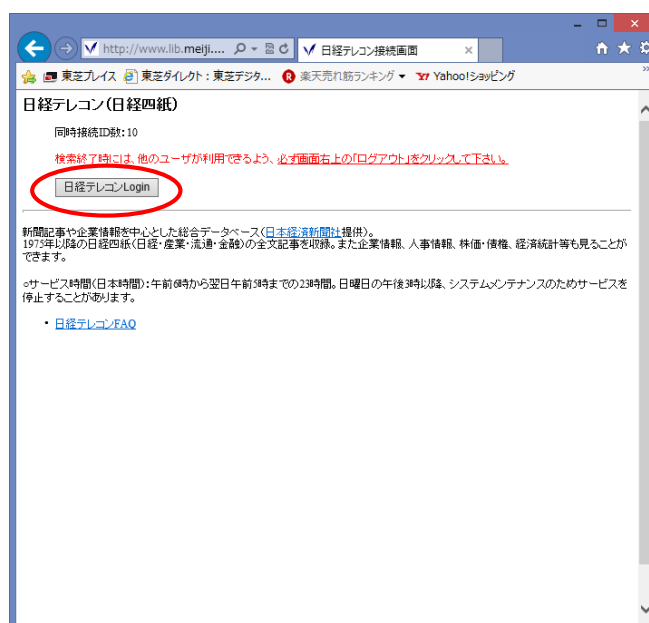


Fig. 8-1-3. Click the Login Button

- (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).

明治大学図書館統合認証サービス

利用者ID:

パスワード:

日本語 ▾

- 共通認証をお持ちの方は、共通認証IDとパスワードを入力してください。(学生・教職員等)
- 共通認証のパスワードを変更する場合は、こちら→ [Change your password](#)
- ライブラリーカードで図書館をご利用の方は、ライブラリーカード番号11桁とパスワードを入力してください。(校友等)
- 例) 20050812345 / ライブラリーカード番号の11桁

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

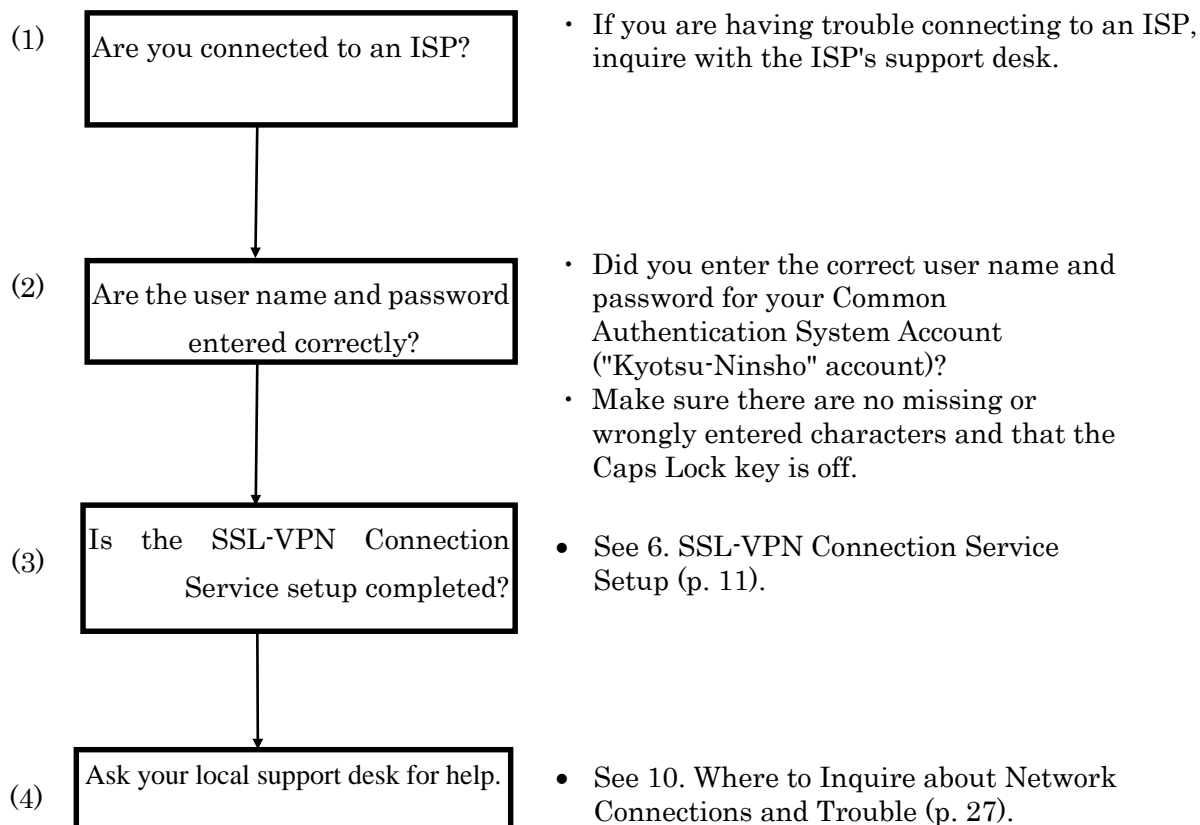
If the login information is correct, the search page for the selected database appears.

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	http://www.meiji.ac.jp/
MIND website	http://www.meiji.ac.jp/mind/
IT Systems & Infrastructure Headquarters	http://www.meiji.ac.jp/isc/
Support Desk	http://www.meiji.ac.jp/mind/en/support/office.html

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.

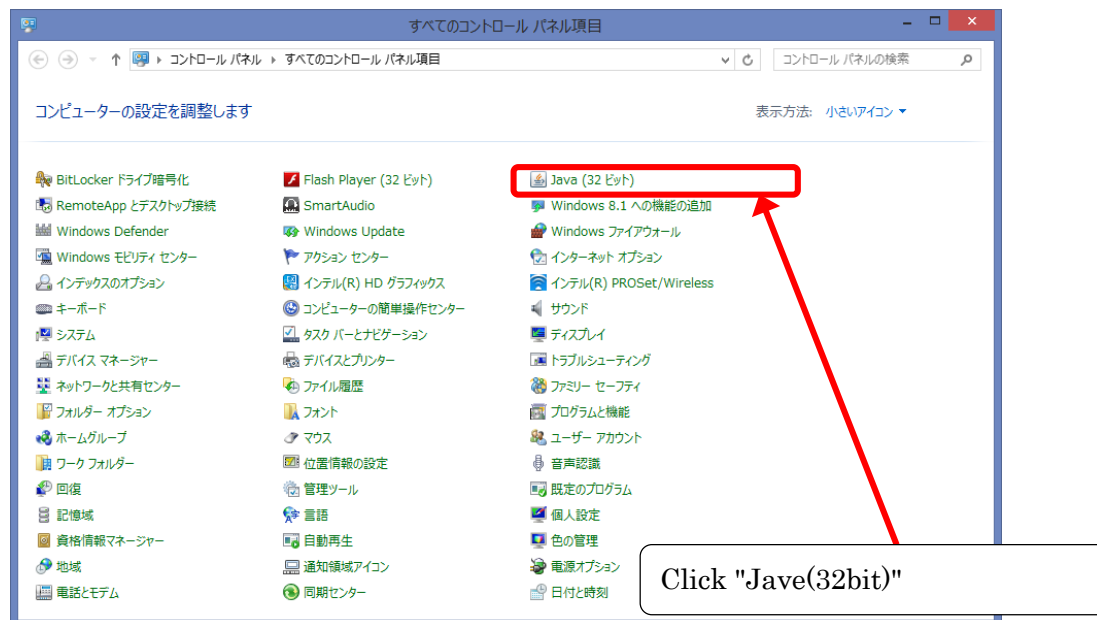
12.1. Supported version

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.

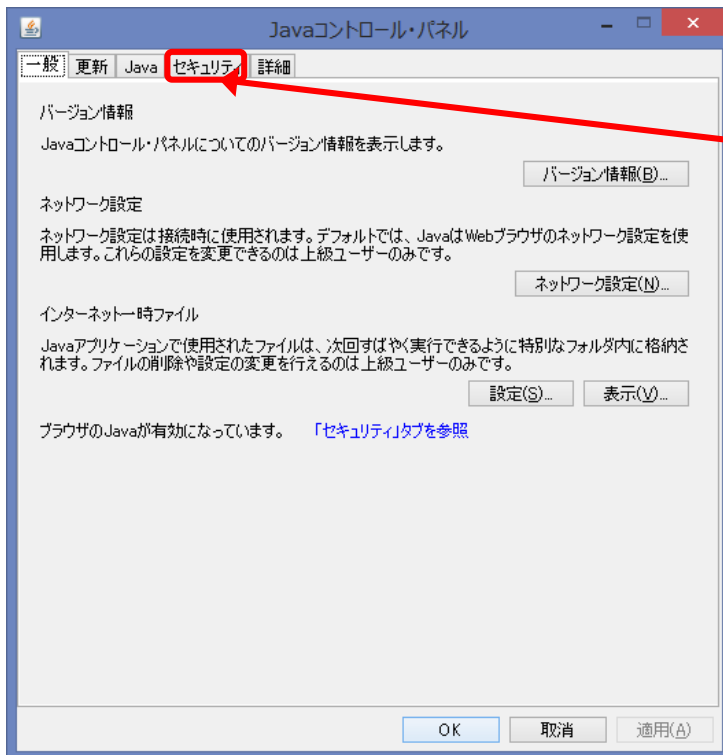
OS	Web browser	Java
Windows 8 Windows 7 Windows Vista	Internet Explorer 7.0 - 11.0 Firefox 3.0 - 10.0	Oracle JRE6-7
MacOS X 10.8.x MacOS X 10.7.x MacOS X 10.6.x	Safari 5.0-6.0	Sun JRE 6-7

12.2. Changing the configuration of JAVA

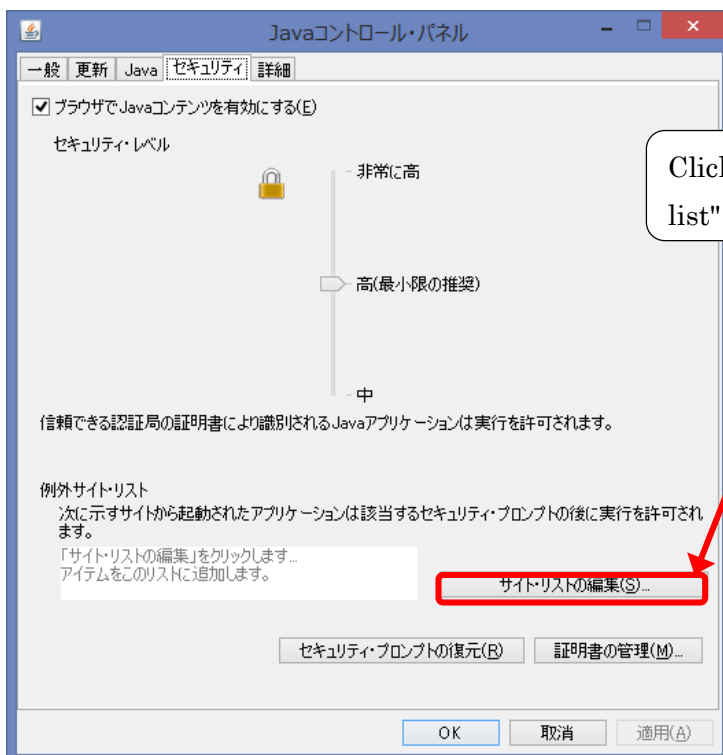
- (a) Start "JAVA Control Panel" from "Control Panel".



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

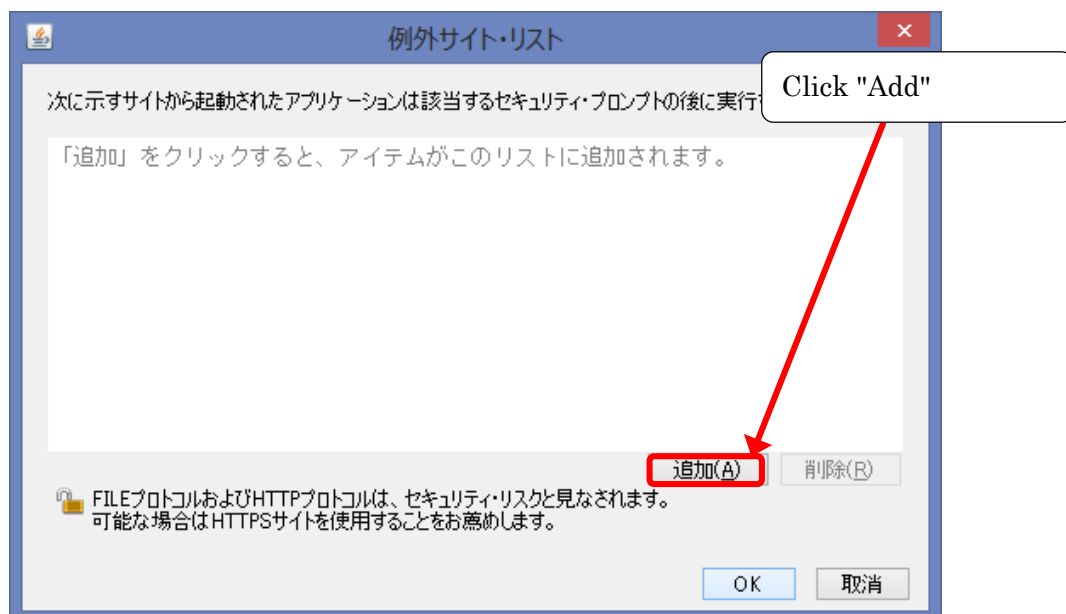


Click "Security" tab

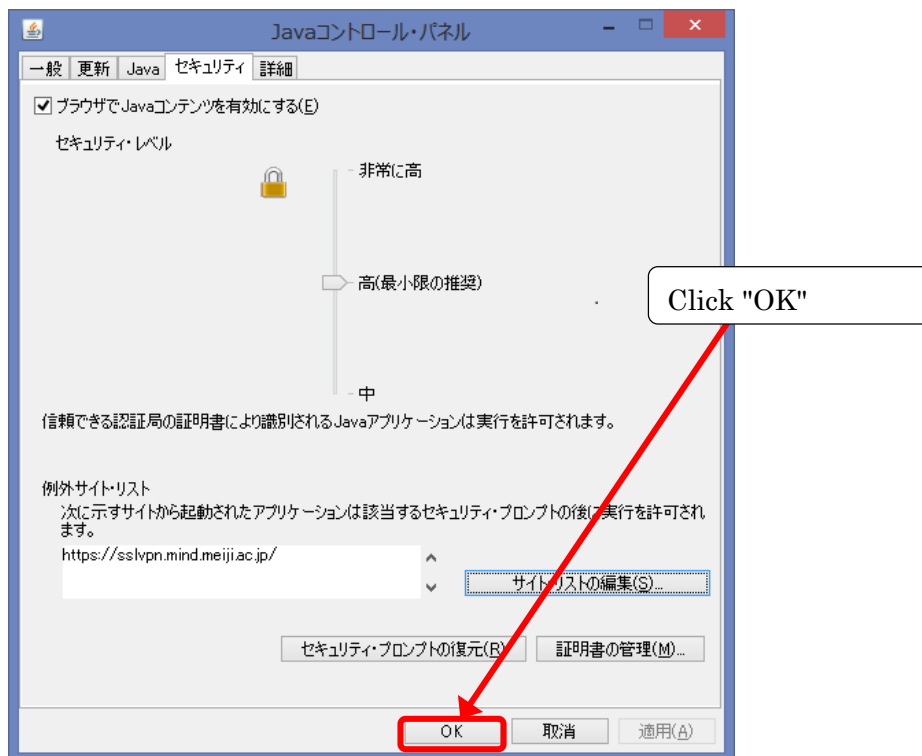


Click "edit the exception site list"

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



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



- (e) Close the "Control panel" screen.

After this, operate it according to the description of "6. SSL-VPN Connection Service Setup".
If you cannot start Junos Pulse yet, follow the description of "12.3 Changing the configuration Internet of Explorer".

12.3. Changing the configuration of Internet Explorer

- (f) Start Internet Explorer.



(g) Add a site to "compatible indication".

