# Towards the Realization of the "THERS DU Plan"
# NU Information System Redesign Migration Guide

NU Information and Communications

NU Information Technology Center

June 2021

# "Digital University Plan" and Information System

- **About the Digital University Plan ("DU Plan")**
  - The Tokai National Higher Education and Research System (THERS) will make the educational and research content of participating universities available for general access, and increase the scale, distribution, and interoperability of this educational and research content, not only for students and researchers, but also for the 1 million university stakeholders, including those in industry, high school students, citizens, and hospital users. By providing the value of knowledge and a space for communication, this plan will contribute to a new reshaping of society across the entire Tokai region.

- **The Information system will be revamped to realize the "DU Plan"**
  - Unify the information systems of THERS and improve efficiency
  - Provide common software that faculty, staff members, and students can use for work and learning
  - Provide a one-stop online communication tool
  - Introduce an authentication system with enhanced security

# THERS One Million Person "Digital University Plan"

# The Information System will Change to Realize the DU Plan

- We will move towards the creation of a unified information system at THERS.
  - Members of Gifu University and Nagoya University will be able to use the same system.
- Microsoft 365 will be deployed throughout THERS.
  - Desktop versions of Office software will be available free of charge.
- Use of Teams software will change.
  - Microsoft 365 email addresses will be changed, and multi-factor authentication (* 1) will be introduced.
- Nagoya University ID (NU ID) login will be changed to THERS account login.
  - This will strengthen security and the THERS account will be used to log in to the common THERS-wide services.
- Nagoya University email addresses will change.
  - mbox.nagoya-u.ac.jp → mail.nagoya-u.ac.jp

Thank you for your cooperation.

＊１：Multi-factor authentication: A more stringent authentication method that uses a number sent to your smartphone in addition to your password to verify

your identity when accessing the system.

# Roadmap for NU Information System Updates

| | 2021 | 2022 | 2023 | 2024 | |
|---|---|---|---|---|---|

### THERS Accounts

▼Jul. 2021 - THERS Azure AD

▼Jul. 2021 - Distribute user information

▼Apr. 2021 - Start preparing for distribution of THERS accounts

▼Feb. 2022 - THERS Shibboleth

▼Feb. 2022 - THERS LDAP

### MS365

▼Apr. 2021 - "Office" becomes available for first-year undergraduate students

▼Jul. 2021 - "Office" becomes available for faculty, staff members, and current students

▼Jul. 2021 - THERS MS365 (Available at NU)

▼Jul. 2022 - THERS MS365 Full-scale tenant start

### Teams

▼Apr. 2021 - Students begin use

▼Jul. 2021 - Introduction of multi-factor authentication

### E-Mail Service

▼Oct. 2021 - Issuance of new "nagoya-u" e-mail addresses

▼Oct. 2021 – Launch of new e-mail service

▼Apr. 2023 - Suspension of old e-mail service

# THERS Account/THERS ID/NU ID/NU MS365 Account

**New**

## THERS Account

- Account for logging in to various services
- Also used to log in to Teams, etc.
- Highly secure with multi-factor authentication

Account format
**bc.12d.3456**

## THERS ID

- THERS version of NU ID; same format (2 letters + 7 numbers) as before
  - An ID number that identifies an individual within the THERS system
- Nagoya University ID owners will continue to use the same ID

Account format
**ab1234567**

**Continued**

## NU ID

- Will continue to be used for the time being to log in to existing systems
- Introduce new multi-factor authentication to improve security

Account format
**ab1234567**

**Abolished**

## NU MS365 ID

- Previously used to log in to Teams, etc.
- Will be suspended around July 2022

Account format
nagoya.taro@a0.nagoya-u.jp

# Introduction of a Common "THERS Account" for System Login at THERS

- To strengthen inter-university collaboration within THERS, this account will be used in common services that are expected to increase in the future.
  - Log in to Microsoft Office 365, Teams, etc.

- Achieve Increased Security
  - Introduce multi-factor authentication to improve security
    - Multi-factor authentication will be explained later in this document.
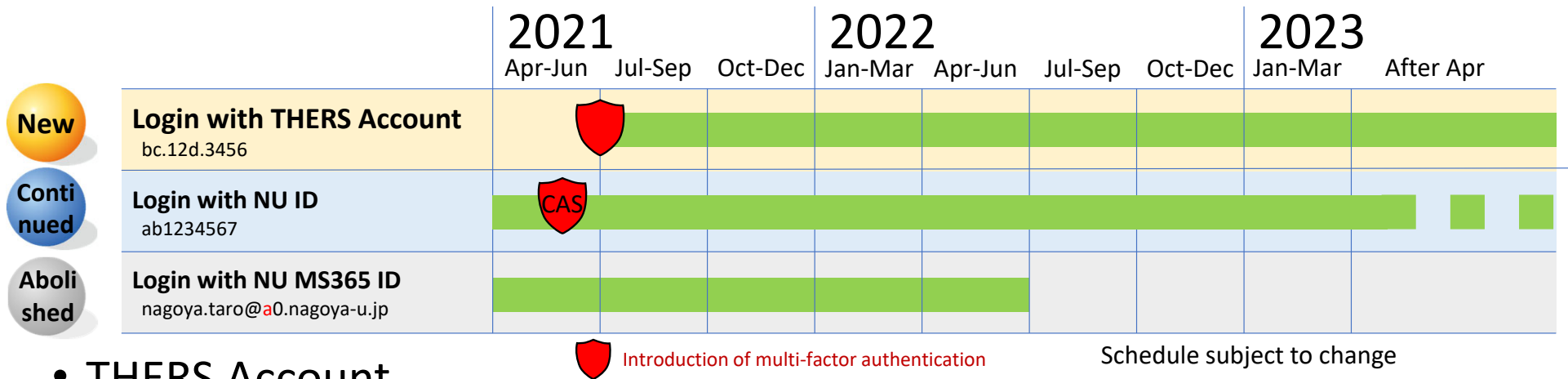
**THERS Account**

bc.12d.3456

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Implementation schedule
- ✓ Distribution of THERS accounts will start around July 2021.
  - Login with existing IDs (NU ID, NU MS365 ID, etc.) will be integrated into THERS account.
- ✓ Login with existing ID will be available for the time being to use existing services.

# Account Implementation Schedule

| | | 2021 | | | 2022 | | | | 2023 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | After Apr |
| **New** | **Login with THERS Account** bc.12d.3456 | | | | | | | | | |
| **Continued** | **Login with NU ID** ab1234567 | CAS | | | | | | | | |
| **Abolished** | **Login with NU MS365 ID** nagoya.taro@a0.nagoya-u.jp | | | | | | | | | |

Introduction of multi-factor authentication          Schedule subject to change

- THERS Account
  - Accounts will be distributed from around July 2021, and first used for MS365 (Teams/Office/etc.)
- NU ID
  - Login with NU ID will be phased out in stages
  - Starting June 2021, we will move to introduce multi-factor authentication to CAS to ensure immediate security.
- NU MS365 ID
  - Scheduled to end around July 2022

# Microsoft 365 (MS365) Contract Starts at THERS

- Free use of Microsoft desktop software and cloud services
  - Free access to Microsoft Office 365 for faculty, staff members, and students
  - Can also be used on private PCs and smartphones

- Requests
  - Please install the software on your own.
  - Please copy all settings and data from Teams, OneDrive, etc. from NU MS365 to your THERS account within the migration period.

- Downloadable from the Microsoft Website using your THERS Account
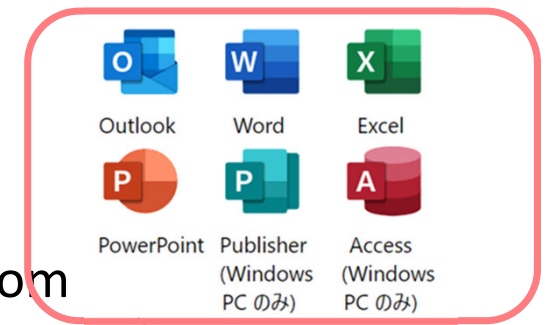
Implementation schedule
- ✓ Available for new undergraduate students from April 2021
- ✓ Available for faculty, staff members, and current students starting around July 2021
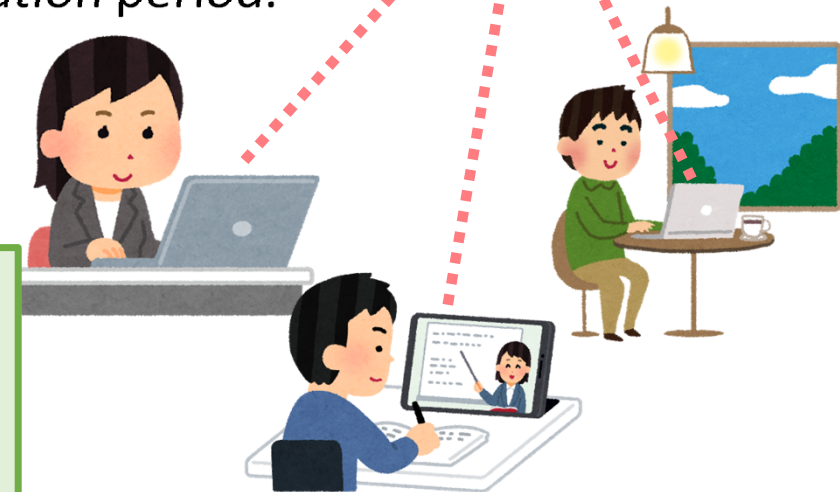
# Students Will Also Be Able to Use Teams

- Teams can be used for online classes and communication with students.

- You can set up teams in which students from both Gifu University and Nagoya University participate and conduct online classes.

- By combining with NUCT, online classes using video, textbooks, etc. can be conducted at no cost.
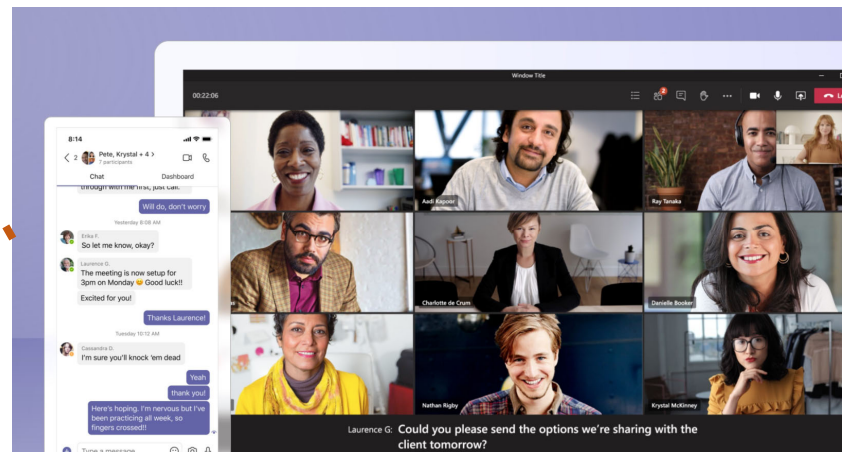
# NU E-mail Service Will Change

- Convenience and security of NU e-mail service will be improved.
  - Expand inbox capacity to 100GB (previously 0.5GB)
  - Increase security with multi-factor authentication

- Requests
  - Please complete all migration procedures on your own.
    (changing e-mail software settings, saving e-mails in your inbox, etc.)

**New** **New NU e-mail service**
Available starting around Aug. 2021

tokai.taro.x9@f.mail.nagoya-u.ac.jp

**Old** **Current NU e-mail service**
The e-mail system will be suspended in Apr. 2023

nagoya.taro@a.mbox.nagoya-u.ac.jp

# NU E-mail Service Implementation Schedule

| Inbox Capacity | 2021 | | | 2022 | | | | 2023 | ··· |
|---|---|---|---|---|---|---|---|---|---|
| | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | After Apr |

**New**
100GB
**New mail service**
tokai.taro.x9@f.mail.nagoya-u.ac.jp

Migration period：Oct. 2021 ～ Mar. 2023

**Old**
0.5GB
**Current mail service**
nagoya.taro@a.mbox.nagoya-u.ac.jp

Issuance of new e-mail addresses will be suspended.

Stop Sending    Stop Receiving    Stop Forwarding

Introduction of multi-factor authentication

Schedule subject to change

- **Current NU mail service**
  - Service will be suspended in following order: issuance of new e-mail addresses, sending e-mails, e-mail inbox.
  - E-mail forwarding settings from the old NU mail service to the new NU mail service will be announced at a later date.

- **Request for migration**
  - For NU e-mails, please transfer your settings (change e-mail software settings, save received e-mails, etc.) within the migration period.

# What Is Multi-Factor Authentication for THERS Accounts?

- In addition to a THERS account and password, a second factor—a code displayed on the smartphone app—will also be used for authentication.
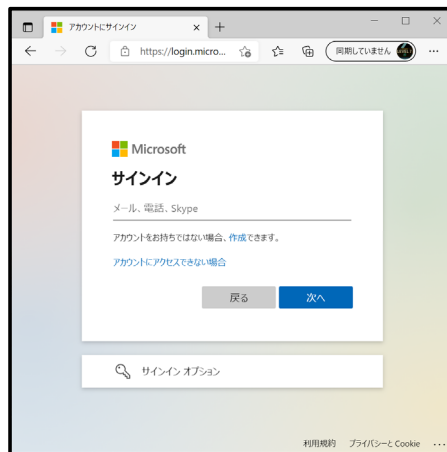


THERS Account and Password

Code

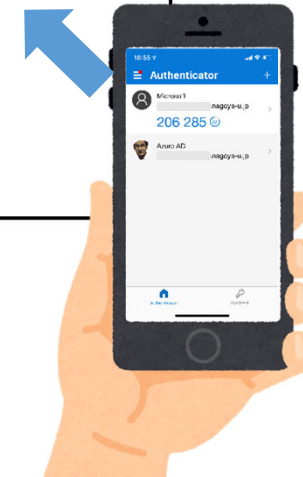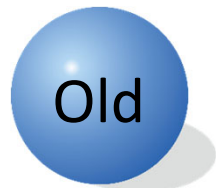You can now access the system!

# What Is Multi-Factor Authentication for NU ID?

- In addition to an NU ID and password, a second factor—a code displayed on the smartphone app—will also be used for authentication.
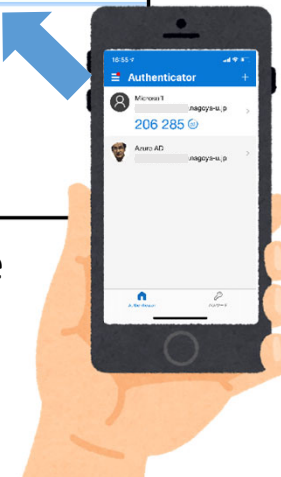


Old

NU ID and Password

You can now access the system!

New

NU ID and Password

Code

You can now access the system!

MS365

Teams

Multi-factor authentication

# Usage and Precautions

# Schedule to Provide Office 365 Desktop Version Free of Charge

**MS365**

① Apr. 2021: Free Office 365 software available free of charge for new undergraduate students

② Jul. 2021: Office 365 software available free of charge for faculty, staff members, and current students
  - THERS ID required for use
  - Some faculty and staff members not eligible

③ Oct. 2021: Suspension of use of Office 365 service sold by Univ Co-op

| 2021 | April | July | October |
|------|-------|------|---------|
|      | ①     | ②    | ③       |

The following faculty and staff members are not eligible for Office 365 free of charge
(Office for the web, Teams, mail service can be used):
- Part-time lecturers (including visiting faculty, etc.)
- Affiliated school teachers
- Hospital staff (excluding faculty and part-time faculty members)
- Others not receiving direct salary payment from THERS

As a general rule, this will be determined based on information registered on the Personnel Affairs & Payroll System

# Download Office 365 Desktop Version

**MS365**

| | 2021 | | | 2022 | | | | 2023 | | Recipient |
|---|---|---|---|---|---|---|---|---|---|---|
| | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | After Apr | |
| **THERS Account** bc.12d.3456 | | | | | | | | | | • All students • Staff (with exceptions) |
| **NU MS365 ID** nagoya.taro@a0.nagoya-u.jp | | | | | | | | | | • Purchasers from Univ. Co-op • 2021 first-year undergraduate students |

Introduction of multi-factor authentication

- Account used for download
  - First-year undergraduate students: Download with NU MS365 ID (until Jun. 2021)
    Download with THERS Account (starting Jul. 2021)
  - Faculty, staff members, and current students:
    Download with THERS Account starting Jul. 2021
- The download method will be announced on the NU Information and Communications website.
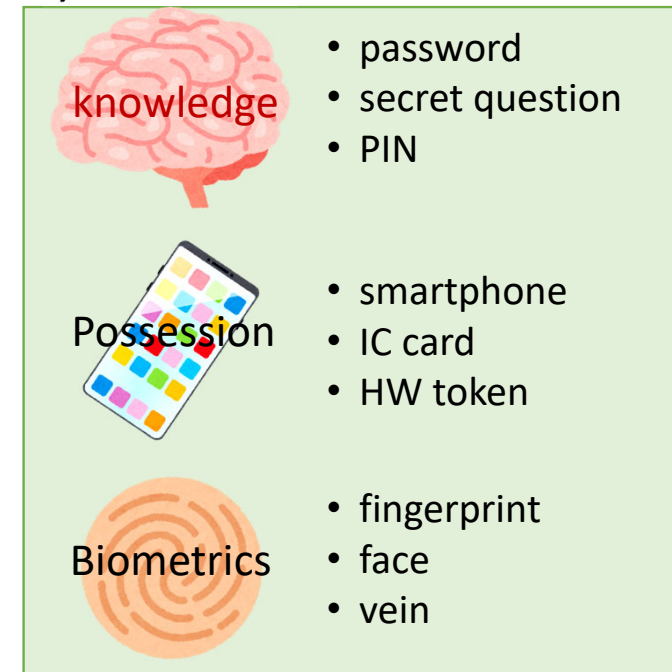
# Request to Migrate Teams Currently in Use

| | | 2021 | | | 2022 | | | | 2023 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | After Apr |
| **New** | **THERS Account** bc.12d.3456 | | | | | | | | | |
| **Abolished** | **NU MS365 ID** nagoya.taro@a0.nagoya-u.jp | | | | | | | | | |

Migration period：Jul. 2021 ～ Jun. 2022

Introduction of multi-factor authentication
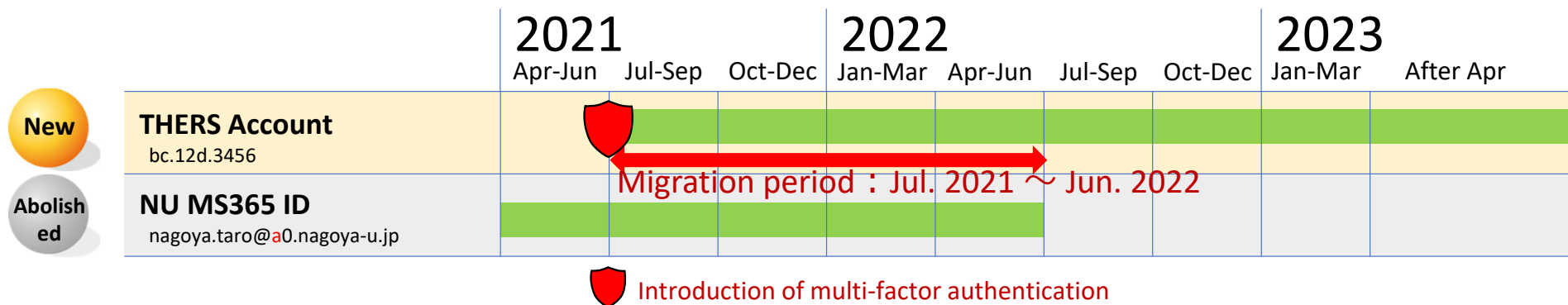
- Those who must migrate
  - Faculty and staff members currently using Teams

- Migrating data
  - Please transfer your NU MS365 Teams settings to your THERS account within the migration period.
    - Teams settings to copy: contacts, teams, files, to-do lists, etc.

# What Is Multi-Factor Authentication for THERS Accounts?

- Issues with previous password authentication systems
  - There are many authentication services, and it is difficult to remember individual passwords.
  - Many people use the same password for multiple services.
  - One password leak can result in unauthorized access across many services.
    "Knowledge"-based authentication has its limits!

- Multi-factor authentication
  - Uses not only "knowledge", but also combines "possession" and "biometric" information as authentication factors
  - Achieves high security while reducing the complexity of authentication procedures

- THERS account is authenticated by two factors,

"knowledge (password)" and "possession (smartphone)".

knowledge
- password
- secret question
- PIN

Possession
- smartphone
- IC card
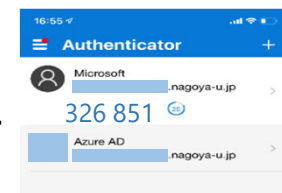- HW token

Biometrics
- fingerprint
- face
- vein

# (Transitional Measures)
# Multi-Factor Authentication by NU ID

- Authentication by current NU ID
  - Various services can be used by authentication with NU ID (CAS authentication).
  - If a password is leaked, there is a risk of having multiple services misused.

- Introducing multi-factor authentication for CAS authentication to improve security
  - Authentication with two factors:

    "knowledge (password)" and "possession (smartphone or hardware token)"

About the use of smartphones or hardware (HW) tokens for authentication:
- Generate an authentication code with a smartphone or HW token
- The authentication code is a number that changes every 30 seconds and is difficult to steal.
  - ✓ You can use your smartphone for authentication by downloading the authentication app onto your smartphone.
  - ✓ If you do not have a smartphone, you can obtain an HW token.

Smartphone authentication app          HW token

Click here for more information: https://icts.nagoya-u.ac.jp/ja/services/nuid/CAS/