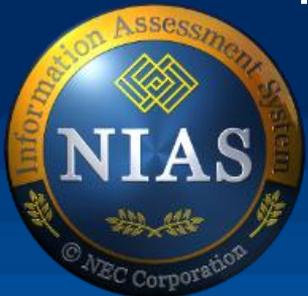


NIAS (NEC Information Assessment System) Resource Management Option Introduction

December, 2018
AI Platform Division,
NEC Corporation





Orchestrating a brighter world

NEC brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.

We collaborate closely with partners and customers around the world, orchestrating each project to ensure all its parts are fine-tuned to local needs.

Every day, our innovative solutions for society contribute to greater safety, security, efficiency and equality, and enable people to live brighter lives.

Resource Management Option Overview

A decorative graphic consisting of several thin, curved orange lines that sweep across the right side of the slide, starting from the top right and extending downwards and to the left.

What is Resource Management Option?

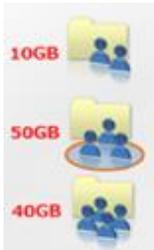
Resource management option makes it possible to unify management of file server allocation such as, folder creation, quota allocation (limit of folder capacity), access permission setting and Active Directory setting.

Before

- Edit Account
- Authentication System (Active Directory)
- Quota Setting
- Master Data Management
- Access Right Setting



I have to do a lot of different tasks with separated systems...



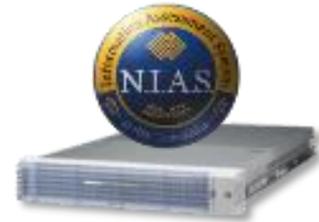
After

| Folder | Quota | Account | Access right |
|--------|-------|---------|--------------|
| | 10GB | | |
| | 50GB | | |
| | 40GB | | |

Export



Tasks are integrated!



Functional Overview of Resource Management Option

Resource Management option offers setting of active directory and quota with simple and integrated UI. In addition, this option enables to create workflow for these settings as well as access right setting which is one of the main functions of NIAS.

1. Time-Saving Setting in Single View

Active Directory Editing



Quota Allocation Setting



2. Workflow



Create new folder



Set quota



Create and edit
AD users/ group



Access right
setting



Email notification



1. Time-Saving Setting of AD and Quota in Single View

Active Directory setting and folder creation (quota setting) is enabled. Application/approval workflow with access right setting is offered with this option function.

Account management with Active Directory

Delete user/group

Target Object: NIASENG\group1

Change group member of Active Directory in the single view

Information of deletion

| | |
|----------------|-----------------------------------|
| Classification | Group |
| Location | CN=Users,DC=niaseng,DC=nec,DC=com |
| Group name | group1 |
| E-mail | |

[The custom attribute]

Description

[Belonging member]

- user2(user2)
- user1(user1)
- groupA ← Deletion
- groupB ← Addition

Execution schedule

Execute Now

Execute month 1 day 1 hour 0 minute 0

Scheduling execution timing

Cancel Fix



Folder creation (quota setting) with storage

Home Search Organize Policy Security Resource Approve Log Settings

NEC Information Assessment System

Menu

- Resource Setting
- Active Directory
- Storage Setting

Change Resource Setting

Basic Information > Access Rights

| | |
|---------------------|---|
| Resource name | userA folder |
| Parent folder | \\192.168.37.172\CONTENTS\ [17.4GB Space] |
| Folder name | userA |
| Quota capacity (GB) | 15.0 |
| Mail address | |

Execution schedule

Execute Now

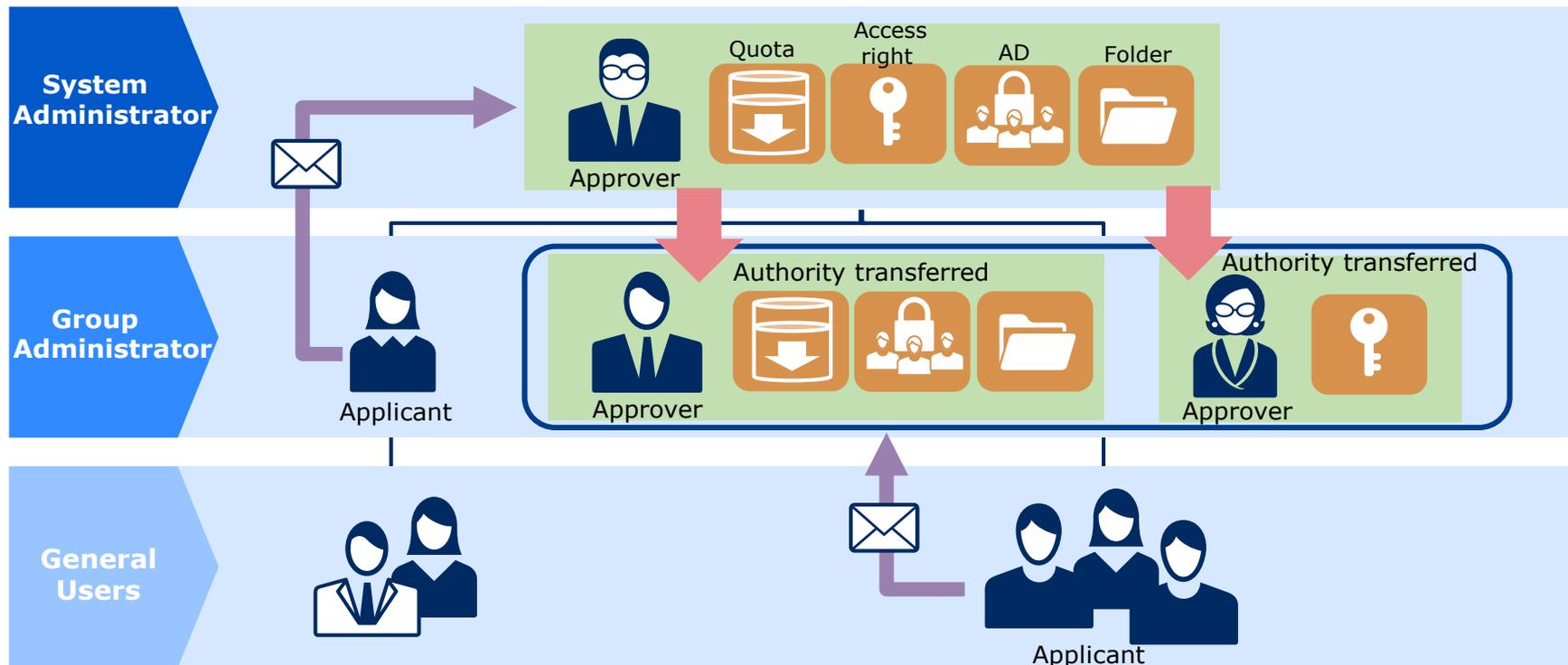
Execute month 1 day 1 hour 0 minute 0

Return Next

2. Workflow Setting

Efficient operation with workflow and integrated setting

- Efficient setting for personnel/organization change
- Project based setting operation
- Workflow for application and approval
- Applicant and approver can be selected according to its purpose



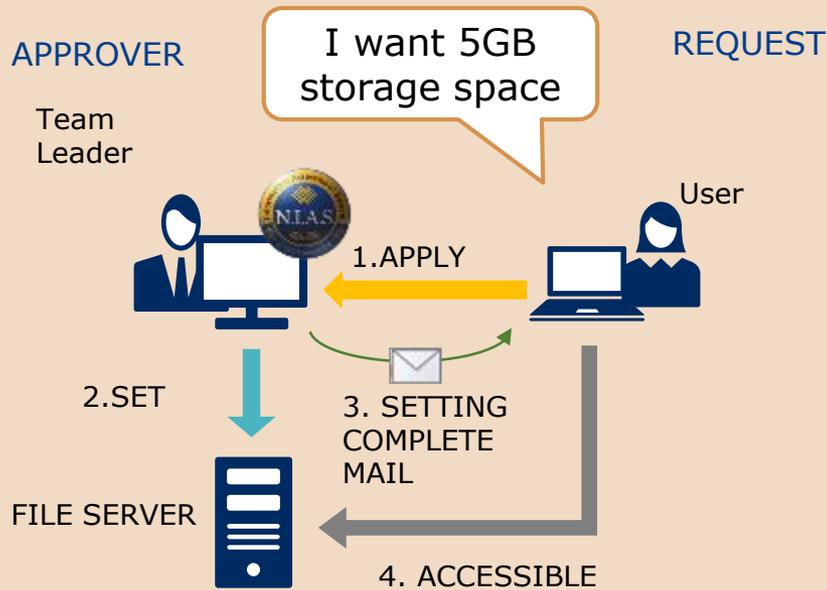
Use Case(1/2)

Use Case 1

General user requests 5GB space



After it is approved, creating folder, allocating quota, setting permissions are executed by NIAS automatically. Also email to notify its completion will be delivered.



Use Case 2

Team Leader requests their new employee's folder access from 1st APR. IT Admin confirms and sets the schedule.



After it is approved, it will set access rights on 1st APR. Also email to notify its completion will be delivered.

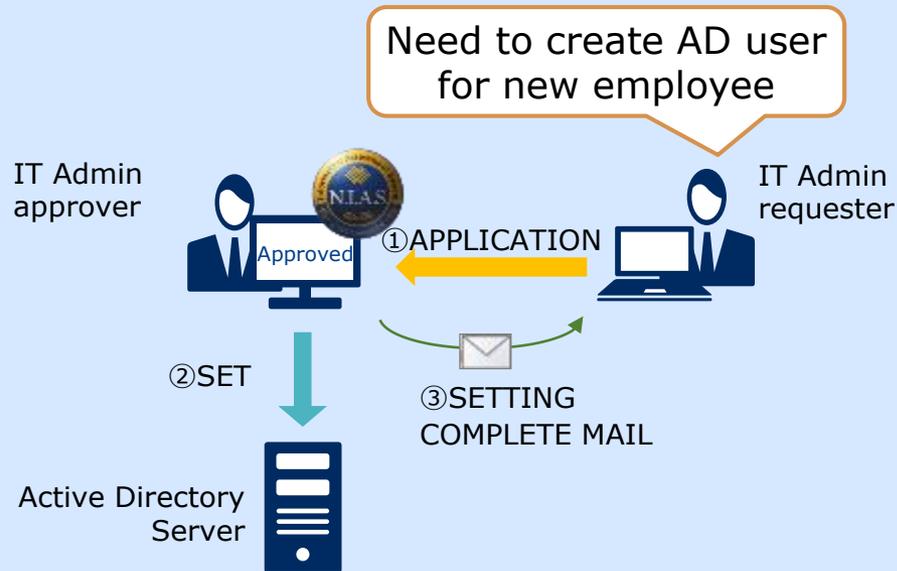


Use Case 3

IT Administrator requests to create AD user and add it to appropriate security group for new employee



After it is approved, settings have been done and email to notify its completion will be delivered.



Enhancement in NIAS version 4.1

Active Directory Editing

Active Directory information can be easily modified by only importing / exporting the CSV files.

Active Directory search

| | | | | | |
|-----------------------|----------------------------|---|-----------------------------------|--------------|--------------|
| <input type="radio"/> | NIASNETAPP\testuser0003 | OU=any,OU=TEST,OU=NIAS_DEMO,DC=niassetapp,DC=nec,DC=com | | testuser0003 | testuser0003 |
| <input type="radio"/> | NIASNETAPP\testuser1 | CN=Users,DC=niassetapp,DC=nec,DC=com | uefuji_testuser1@vm.mail | testuser1 | testuser1 |
| <input type="radio"/> | NIASNETAPP\testuser10 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser10 | testuser10 |
| <input type="radio"/> | NIASNETAPP\testuser13 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser13 | testuser13 |
| <input type="radio"/> | NIASNETAPP\testuser2 | CN=Users,DC=niassetapp,DC=nec,DC=com | ExcRecvTest1@niassetapp.nec.com | testuser2 | testuser2 |
| <input type="radio"/> | NIASNETAPP\testuser2025 | DC=niassetapp,DC=nec,DC=com | | | |
| <input type="radio"/> | NIASNETAPP\testuser21 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser21 | |
| <input type="radio"/> | NIASNETAPP\testuser223 | DC=niassetapp,DC=nec,DC=com | | | |
| <input type="radio"/> | NIASNETAPP\testuser3 | CN=Users,DC=niassetapp,DC=nec,DC=com | testuser3@niassetapp.nec.com | | |
| <input type="radio"/> | NIASNETAPP\testuser4 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser4 | testuser4 |
| <input type="radio"/> | NIASNETAPP\testuser5 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser5 | testuser5 |
| <input type="radio"/> | NIASNETAPP\testuser6 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser6 | testuser6 |
| <input type="radio"/> | NIASNETAPP\testuser7 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser7 | testuser7 |
| <input type="radio"/> | NIASNETAPP\testuser8 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser8 | testuser8 |
| <input type="radio"/> | NIASNETAPP\testuser9 | CN=Users,DC=niassetapp,DC=nec,DC=com | | testuser9 | |
| <input type="radio"/> | NIASNETAPP\testuserge | DC=niassetapp,DC=nec,DC=com | testuserge@vm.com | | |
| <input type="radio"/> | NIASNETAPP\testuseruefuji | DC=niassetapp,DC=nec,DC=com | testuseruefuji@niassetapp.nec.com | | |
| <input type="radio"/> | NIASNETAPP\testuseruefuji2 | DC=niassetapp,DC=nec,DC=com | | | |

Buttons: Cancel, Edit Screen, Delete Screen, Export CSV

List of current AD information

Just single click to start export

Scheduled AD editing helps the large-scale organization/personnel change



Home Search Organize Policy Security Resource Approve Log Settings

NEC Information Assessment System

Menu: Resource Setting, Active Directory, Storage Setting

Import CSV

CSV import settings > Check details

Classification: User Group

Operation type: Register all Edit all Delete all

Execution schedule: Execute Now Execute year 2018 month 1 day 1 hour minute 0

Select CSV file: [Browse] 参照...

Buttons: Return, Next

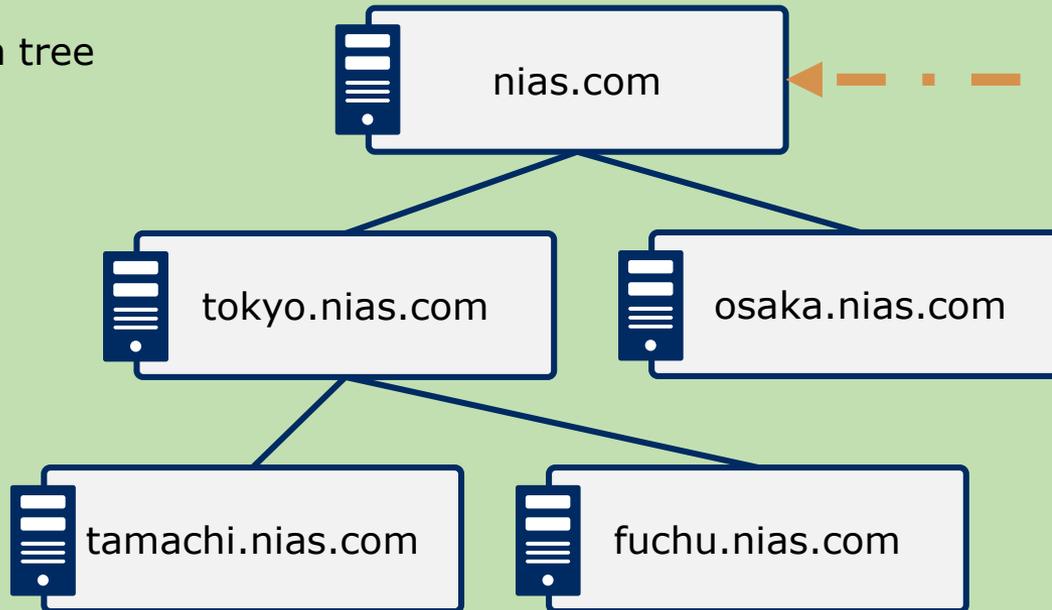
Scheduling for setting change date of AD

Specifying modified CSV file and import to change AD information

Active Directory Multi-Domain Support

One NIAS server can manage domain of associated company

Domain tree



Operation cost can be reduced by managing the domain simultaneously.

[Detailed case]

- There are several domains because of the integration of organizations or companies
- IT systems are integrated but there are domains in each organization as organization structure (parent company - child company) is different among them

[Notices]

NIAS supports multi-domain environment having trust relationships within the single domain-tree. NIAS does not support multi-forest and multi-domain tree environment.



Details of the Resource Management Option

- Quota (Resource Allocation) Setting
- Active Directory Management Function
- Workflow

Resource Allocation Setting: Check List Window

Home Search Organize Policy Security **Resource** Approve Log Settings

NEC Information Assessment System

Menu

- Resource Setting
- Active Directory
- Storage Setting

Resource Setting List

[1] 1 - 2 of 2

| Operation | Resource name | Folder name | Used / Quota (GB) | Parent folder |
|---|---------------|-------------|-------------------|-------------------------------------|
| <input type="button" value="Change"/> <input type="button" value="Delete"/> | Jack | Jack | 5.5 / 10.0 | \\127.0.0.1\share2\PersonalFolders\ |
| <input type="button" value="Change"/> <input type="button" value="Delete"/> | Raymond | Raymond | 4.3 / 10.0 | \\127.0.0.1\share2\PersonalFolders\ |

- ✓ Usage capacity and Quota Allocation value etc. can be confirmed in the list
- ✓ Move to the resource allocation setting wizard by clicking [Create] or [Change]
- ✓ Enable to export folder setting value and access rights info all at once in CSV file
- ✓ Support CSV import to be able to create new or edit multiple resource allocation all at once

Resource Allocation Setting Wizard (1/2)

Home Search Organize Policy Security **Resource** Approve Log Settings

NEC Information Assessment System

Menu

- Resource Setting
- Active Directory
- Storage Setting

Create Resource Setting

Basic Information > Access Rights

| | | |
|-----------------------|---|--|
| Resource name * | <input type="text" value="Jane"/> | <input "="" type="button" value="?"/> |
| Parent folder * | <input type="text" value="\\127.0.0.1\share2\PersonalFolders\ [51GB Space]"/> | <input type="checkbox"/> Set quota for parent folder |
| Folder name * | <input type="text" value="Jane"/> | <input "="" type="button" value="?"/> |
| Quota capacity (GB) * | <input type="text" value="0"/> | <input "="" type="button" value="?"/> |
| Mail address | <input type="text"/> | <input "="" type="button" value="?"/> |
| Execution schedule | <input checked="" type="radio"/> Execute Now <input type="radio"/> Execute month <input type="text" value="1"/> day <input type="text" value="1"/> hour <input type="text" value="0"/> minute <input type="text" value="0"/> | |

- ✓ Enable to **create folder** and **allocate quota** under specified common folder
- ✓ Notification mail will be sent to the specified address after resource allocation is completed
- ✓ Resource allocation start date can be set beforehand by creating execute schedule

Quota allocation supported storage : Microsoft Windows, EMC VNX, EMC Isilon, iStorage M NAS Option, NetApp(7-mode, clustered Data ONTAP) ※For NetApp Storage, only folder in first level is able to setup quota.

Resource Allocation Setting Wizard (2/2)

Home Search Organize Policy Security **Resource** Approve Log Settings

NEC Information Assessment System

Menu

- Resource Setting
- Active Directory
- Storage Setting

Create Resource Setting

Basic Information > Access Rights

Target Path : \\127.0.0.1\share2\PersonalFolders\Jane\

Inherited Full control Modify Read & execute List folder contents Read Write

| Object Name | Allow |
|---------------------|-------------------------|
| NIASDEMO\DEMOGROUP | [Icons for permissions] |
| NIASDEMO\Jane(Jane) | [Icons for permissions] |

Add Edit Delete Undo

Detail Settings

- Scope of modification
 - Apply to all subordinate (All Objects)
- Expiration date setting
 - Execute Now ~ Expiration date month [1] day [1] hour [0] minute [0] [?]

Return Register Cancel

Enable to set **validity date/time** of access rights

- ✓ Enable to **grant access rights** beforehand using user friendly interface
- ✓ Enable to set **access rights validity period** (Access rights will be restored to the one before the change on the end date/time of specified validity period)

Details of the Resource Management Option

- Quota (Resource Allocation) Setting
- Active Directory Management Function
- Workflow

Active Directory Management Function : Setup Window

Home Search Organize Policy Security Resource Approve Log Settings

NEC Information Assessment System

Menu

- Resource Setting
- Active Directory
- Storage Setting

Create user/group

Information of creation

Classification: User Group

Location:

Group name:

E-mail:

[The custom attribute]

Description:

[Belonging member]

- Jane(Jane)
- Jack(Jack)

Execution schedule

Execute Now

Execute month day hour minute

Active Directory search(Add multiple objects)

Classification: User Group

Location:

Logon name (user):

E-mail:

[The custom attribute]

Last Name:

First Name:

Display name:

Department:

Description:

Select All (All items)

| Logon name (user) | Location | E-mail | Last Name | First Name | Display name |
|---|----------------|--------|-----------|------------|--------------|
| <input type="checkbox"/> NIASDEMO\Elizabeth | Accounting | | Elizabeth | | Elizabeth |
| <input type="checkbox"/> NIASDEMO\Harold | Development | | Harold | | Harold |
| <input type="checkbox"/> NIASDEMO\John | Development | | John | | John |
| <input type="checkbox"/> NIASDEMO\Harry | GeneralAffairs | | Harry | | Harry |
| <input type="checkbox"/> NIASDEMO\Thomas | Personnel | | Thomas | | Thomas |
| <input type="checkbox"/> NIASDEMO\Charlotte | Accounting | | Charlotte | | Charlotte |

Search by attribute value and add all at once

- ✓ Create New/Edit/Delete of Active Directory User/Group is feasible from NIAS window (Schedule activation can also be specified)
- ✓ Enable to search existing AD User/Group by specifying user name or attribute value, and add/delete all at once as group object

Details of the Resource Management Option

- Quota (Resource Allocation) Setting
- Active Directory Management Function
- Workflow

Work Flow : Application

Search **Application** Log

NEC Information Assessment System Access Rights Active Directory **Resource Setting**

Resource Setting List

Click the "Create" button to create resource settings.
Click the "Change" button to change or delete resource settings.

[1] 1 - 6 of 6

| Operation | Resource name | Folder name | Used / Quota (GB) | Parent folder | R |
|---------------|---------------|-------------|-------------------|-----------------------------|-----|
| Change | Jack | Jack | 5.5 / 10.0 | \\127.0.0.1\share\Personal\ | 29- |

Create

- ✓ Application mode window opens when log in as general user *1
- ✓ At resource allocation application, [Create] which newly allocate the resource or [Change] as changing the allocation setting can be selected
- ✓ Application for Create New/Edit/Delete of Active Directory User/Group, is also feasible from [Active Directory] button in menu pain on the top

*1 Group Administrator also can be set as requester.

Work Flow : Check Window at Application

Search Application Log Logout

NEC Information Assessment System Access Rights Active Directory Resource Setting Application List

Type of application: Change resource setting

Approver: System Administrator [Detail]

Applicant: NIASDEMOJack
Contact Information (email address): [] [?]

Execution schedule:
Date Executed:
Expiration date:
Execute Now (selected)
Execute [1][1][0][0]
Unspecified (selected)
Execute [1][1][0][0]

Application reason: []

Changes

| | Before the change | After the change |
|---------------------|-----------------------------|-----------------------------|
| Resource name | Jack | Jack |
| Parent folder | \\127.0.0.1\share\Personal\ | \\127.0.0.1\share\Personal\ |
| Folder name | Jack | Jack |
| Quota capacity (GB) | 10 | 15 |
| Mail address | | |

Target setting path: \\127.0.0.1\share\Personal\Jack\

| Object Name | Allow | Deny |
|---------------|---------|---------|
| NIASDEMO\DEMO | [Icons] | [Icons] |
| NIASDEMO\Jack | [Icons] | [Icons] |

Return Run Application Cancel

Purpose of application can be written here

Confirm the entry before execute
*Changed part appears in red

- ✓ Check window opens at the end of application setting wizard
- ✓ Confirm the entry, input **apply reason/requester mail address** etc., and click [Run Application] button to execute the application
- ✓ When application is executed, request mail for approval will be sent to approver

Work Flow : Application Status List

Home Search Organize Policy Security Resource **Approve** Log Settings

NEC Information Assessment System

Approval List

[1] 1 - 2 of 2

| Operation | Application date ▾ | Type of application ▾ | State of approval ▾ | State |
|---------------------------|----------------------|-----------------------|---------------------|----------|
| See Details Delete | 06-Sep-2017 07:10:35 | Create folder | Pending Approval | Unexecut |
| See Details Delete | 06-Sep-2017 06:59:04 | Change access rights | Pending Approval | Unexecut |

- ✓ Enable to check **application types or approval status** at application status list window
- ✓ For requester, only application he/she applied is displayed, and for approver, only application he/she should approve is displayed.
- ✓ From [See Details] button, application detail window opens, and entry detail can be confirmed, approved and rejected at there

Work Flow : Application Detail Window (Approve/Decline)

Home Search Organize Policy Security Resource **Approve** Log Settings Logou

NEC Information Assessment System

| | |
|------------------------|---------------------------------------|
| Applicant | NIASDEMO\Charlotte(Charlotte) |
| E-mail of applicant | |
| Approver | |
| State of approval | Pending Approval |
| Execution schedule | 01-Sep-2018 09:00 |
| State of execution | Unexecuted |
| Group Name | TokyoServer |
| State of sending email | Unsent because of not setting address |
| Application reason | |

Changes

| | |
|---------------|-------------------------------------|
| Parent Folder | \\127.0.0.1\share2\PersonalFolders\ |
| Folder Name | Charlotte |

■ Target setting path \\127.0.0.1\share2\PersonalFolders\Charlotte\
(Access rights settings of the difference between this folder and parent folder are displayed as the folder you specified does not exist.)

| Object Name | Allow | Deny |
|-------------------------------|--|--|
| NIASDEMO\Charlotte(Charlotte) | Full control, Modify, Read & execute, List folder contents, Read, Write, Special permissions | Full control, Modify, Read & execute, List folder contents, Read, Write, Special permissions |
| NIASDEMO\DEMOGROUP | Full control, Modify, Read & execute, List folder contents, Read, Write, Special permissions | Full control, Modify, Read & execute, List folder contents, Read, Write, Special permissions |

Comments

Return **Approve** Reject

Confirm the entry
*Changed part appears in red

← Able to put approver message

- ✓ Application detail can be confirmed at application detail window
- ✓ When approver opens application detail window, **Approve** or **Reject** can be selected. Notification mail will be sent to the requester when approved/rejected
- ✓ Requester can **cancel** the application from this window

Licensing Models

Licensing Model

| Part Number | Product Name | Remarks |
|---|---|---|
| Resource Management Option License | | |
| UL1379-605E-I | NIAS V4.1 Resource Management Option License (Base/1TB) | 1 license required for 1 management server / 1TB can be managed with this license |
| UL1379-615E-I | NIAS V4.1 Resource Management Option License (+1TB) | Management target capacity: 1TB Additional |
| UL1379-625E-I | NIAS V4.1 Resource Management Option License (+10TB) | Management target capacity: 10TB Additional |
| UL1379-635E-I | NIAS V4.1 Resource Management Option License (+30TB) | Management target capacity: 30TB Additional |
| UL1379-645E-I | NIAS V4.1 Resource Management Option License (+50TB) | Management target capacity: 50TB Additional |
| UL1379-655E-I | NIAS V4.1 Resource Management Option License (+100TB) | Management target capacity: 100TB Additional |

*NIAS Licensing is based upon the total capacity of storage or other file servers. Please purchase one base product license "UL1379-601E-I", and then purchase incremental capacity add-on product licenses to equal the raw capacity of target storages that NIAS will scan the data.

*To use resource management function, please purchase above license same quantity with NIAS standard license.

Contact Us



Request a free trial license

Request an online Demo



Web:

<https://www.nec.com/nias/>

Demo site:

<http://nias-trial.com/ias-manager/>

E-mail:

sales@nias.jp.nec.com



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