

Administrator Guide

For DSS4.2

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CHAPTER 1. Introduction

This Administrator Guide is intended for system administrators and describes how to set up Digital Sign Service.

The document consists of the following chapters:

- <u>Introduction</u> giving you the structure of the document as well as an overview of the Digital Sign Service software.
- <u>How to configure DSS for Server</u> chapter provide you steps that you need to follow in order to setup the DSS software.

In this chapter:

- Definitions, Acronyms and Abbreviations
- Digital Sign Service Overview



Terminology List

Term	Definition
AD (Active Directory)	Service that provides the means to manage the identities and relationships that make up network environments.
Destination store	The place to where Digital Sign Service put the xml file extracted from Exchange Server. In this version of Digital Sign Service, Destination Store is Ftp Server, file server or ISS
Digital Sign Service (DSS)	Digital Sign Service is a software designed to collect data from Exchange Server and store it in a specific location as well as update data on Exchange Server when receiving request.
Exchange Connector	The system which can use the xml output from DSS. Digital signs assigned to those systems read the content of the XML files. In this case appointment content for multiple calendar accounts are stored in one XML
Group or distribution list	List of users joined together as one entity. Created in AD or on Exchange Server.
IIS (Internet Information Service)	A Web server with integrated, reliable, scalable, secure, and manageable capabilities available over an intranet, the Internet, or an extranet, and is a tool for creating a strong communications platform for dynamic network applications.
Microsoft .NET Framework	A set of Microsoft software technologies for connecting information, people, systems, and devices. It enables a high level of software integration through the use of Web services: small, discrete, building-block applications that connect to each other as well as to other, larger applications over the Internet.
Microsoft Exchange Server	Server software enabling you to send and receive electronic mail and other forms of interactive communication through computer networks.
UTC (Coordinated Universal Time)	Equivalent to mean solar time at the prime meridian, formerly expressed in GMT.

Digital Sign Service Overview

The two main purposes of Digital Sign Service are:

- To extract appointment information from assigned Microsoft Exchange calendar accounts and place this information in standard XML files, so they can be used for further processing by digital signage.
- To collect user input from digital signs. Based on this input, DSS can modify the content of assigned MS Exchange calendar accounts.

The basic DSS components are as follows:

- Digital Sign Service Manager (A graphical frontend)
- Digital Sign Service v4 (Extracts appointments from Exchange. Creates corresponding XML files)
- **Digital Sign REST Service** (Writes appointments into Exchange. Receives requests from Digital Signs. Updates output XML files and content for the signs)



CHAPTER 2. How to configure DSS for Server

Digital Sign Service Manager Overview

Digital Sign Service Manager is the graphical frontend used to configure the Digital Sign Service components. This section contains a brief introduction to it.

Digital Sign Service	Dashboard								Adı Server version 4.02.00.	min 1.0007
DASHBOARD	C REFRESH									
REPORTS SYSTEM CONFIGURATION LOCATION + /	1 Devices	16 Resources Digital Signs	16 Resources Workspace	O Resources Exchange Connector	Resources used now	Resources available now	Reservations extended today	(END) Reservations Meet	ings booked Meeti creen today no show	b ings
	Devices O Not connected to any resource	Not connected to any device	O Devices Waiting for approval	0 Incidents O Problem reported	Application: Waiting Last run time: Dec 14, 2020 10.42:12 Completed:	for the next loop		Resource: The next loop will begin at Dec	14, 2020 10:43:12	
	Device Heartbea	ts		Show /	Resources S	ynchronizat	tions			9
	Device ID Dev	rice Name Resource	Name Date Time		 Resource Email 	•	Status		Date Time	
	• 405d1583d5395cbd 405	d1583d5395cbd aodmeetin	groom@stao Dec 14, 2020 10:39:50)	aodmeetingroom@sta	od.onmicrosoft.com	😔 Calendar inform	ation has been synchronized fully	y. Dec 14, 2020 10:39:32	
					hanoi@staod.onmicros	oft.com	🕑 Calendar inform	ation has been updated.	Dec 14, 2020 10:35:31	
					aodmeetingroom@star	od.onmicrosoft.com	Calendar inform	ation has been updated.	Dec 14, 2020 10:33:12	
					staod@staod.onmicros	oft.com	🕑 Calendar inform	ation has been synchronized fully	y. Dec 14, 2020 10:27:41	
					smallroom@staod.onm	icrosoft.com	😔 Calendar inform	ation has been synchronized fully	y. Dec 14, 2020 10:27:08	
					simonroom@staod.onr	nicrosoft.com	🕑 Calendar inform	ation has been synchronized fully	y. Dec 14, 2020 10:27:07	
					saigon@staod.onmicro	soft.com	-	ation has been synchronized fully		
					PhuQuoc@staod.onmi	crosoft.com	Calendar inform	ation has been synchronized fully	y. Dec 14, 2020 10:27:01	
	Actions									s
										-
	Device ID	Device Name	Resource Name	Create Date	 Action 	Message				
	Device ID 405d1583d5395cbd	Device Name 405d1583d5395cbd	Resource Name aodmeetingroom@staod.onmicr		Action NEW TEMPLATE	Message Semote templa	te posted to client		e Windows ings to activate Window	vs.

Figure 1. DSS Manager User Interface

Digital Sign Service Manager provides the ability to configure synchronization settings for a particular destination. Likewise, it can be used for specifying common settings applied to Digital Signs.

Digital Sign Service Manager includes options for selecting distribution lists to be used in synchronization.

User can book a new meeting if the text "Available" appears on the screen, and the Status banner is green. This is also the initial screen view of the user interface.

Digital Sign Service Manager interface pane features 3 sections:

- Dashboard this section features overview of the system and how resources/devices are operating
- <u>**Reports**</u> this section features reports that cover all operations of the system.
- <u>System & Configuration</u> these sections feature common settings for all Digital Sign Service system to provide DSS with the ability to connect to Exchange Server to retrieve data and save it in an XML file. See the **System Configuration** section of this document for more details.
- <u>Location</u> this section provides support information on the devices and resources, which allow you manage device groups and make changes to resources.



Dashboard

DASHBOARD V REPORTS V SYSTEM	U REFRESH								Server version 4.02.00.0	
CONFIGURATION LOCATION	1 Devices	16 Resources Digital Signs	16 Resources Workspace	Resources Exchange Connector	Resources used now	Resources available now	Reservations extended today	(END) Reservations Meeting	as booked Meetin een today no show	
	O Devices O Not connected to any resource	15 Resources Not connected to any device	O Devices O Waiting for approval	0 Incidents O Problem reported	Application: Waiting fi Last run time: Dec 14, 2020 10:42:12 Completed:	or the next loop		esource: he next loop will begin at Dec 14	, 2020 10:43:12	
	Device Heartbea			Show A	Resources S	ynchronizati				Sho
		vice Name Resource			Resource Email aodmeetingroom@stao		Status	on has been synchronized fully.	Date Time Dec 14, 2020 10:39:32	
	• 405d1583d5395cbd 405d	id1583d5395cbd aodmeetin	ngroom@stao Dec 14, 2020 10:39:50	,	hanoi@staod.onmicroso		Calendar informati		Dec 14, 2020 10:39:32 Dec 14, 2020 10:35:31	
					aodmeetingroom@stao		Calendar informatio		Dec 14, 2020 10:33:12	
					staod@staod.onmicroso			on has been synchronized fully.	Dec 14, 2020 10:27:41	
					smallroom@staod.onmi	icrosoft.com	Calendar information	on has been synchronized fully.	Dec 14, 2020 10:27:08	
					simonroom@staod.onm	nicrosoft.com	 Calendar information 	on has been synchronized fully.	Dec 14, 2020 10:27:07	
					saigon@staod.onmicros	soft.com	😋 Calendar informatio	on has been synchronized fully.	Dec 14, 2020 10:27:05	
					PhuQuoc@staod.onmice	rosoft.com	🕑 Calendar informatio	on has been synchronized fully.	Dec 14, 2020 10:27:01	
	Actions									Sho
	Device ID	Device Name	Resource Name	Create Date	✓ Action	Message		Activate	Mindowe	
	405d1583d5395cbd	405d1583d5395cbd	acdmeetingroom@stacd.onmicr	Dec 14, 2020 10:39:53	NEW TEMPLATE	Remote template	e posted to client		gs to activate Window	NS.
	405d1583d5395cbd	405d1583d5395cbd	acdmeetingroom@stacd.onmicr	Dec 14, 2020 10:39:52	NEW CONFIGURATION	🕑 Remote configu	ration posted to client			

Figure 2. Dashboard section

This section provides an overview of the system and how resources/devices are operating.

The top area contains information of number of devices, added/used resources and what happen with them today. The **Device Heartbeats** and **Resources Synchronizations** provide status of resources. **Actions** area describes what actions have been done on the devices.

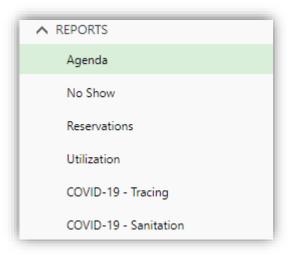
You can have a shortcut to go to other pages by clicking specific positions on this screen:



- Click on the number above "Devices": Go to Devices page
- Click on the number above "Resources Digital Signs", "Resources Workspace" and "Resources Exchange Connector": Go to Resources page



Reports



This section provides 6 types of reports. Each of these reports can be used to serve your specific purposes.

System & Configuration

These navigation pane items open an interface section where the parameters related to all applications with Digital Sign data are specified. These sections enable Digital Sign Service to connect to the Exchange Server and synchronize items to necessary stores. This pane includes the following sections:

- SYSTEM
 - <u>License</u>
 - Connections
 - Advanced
 - Settings
 - Outputs
 - Administrators

• CONFIGURATION

- Devices
- <u>Resource Types</u>
- <u>Resources</u>
- Screen Templates
- Card Holders (Users)

Basic configuration

1. Load a license

Synchronization to destination stores performed by DSS cannot take place without a license file permitting this operation. The service will stop, if the license has expired.

By default, the product is shipped with a demo license valid for a 30-day trial period. When the trial period is over, the application displays a warning message and stops functioning. A full license can be purchased from your vendor. Visit <u>www.add-on.com</u> for more details.

If you have obtained a valid license, you will need to manually upload it.

To upload the acquired license file, follow the steps described below:

- 1. Once you have got the license file, go to System \rightarrow License. Click **Upload License** button.
- 2. Browse to the directory where your license file is located. Select the file and click Open.
- 3. The license will be now loaded for your copy of DSS.



The License section is shown in the figure below:

Digital Sign Service	License	
DASHBOARD	UPLOAD LICENSE	Exchange Connector Resource:
SYSTEM	Max_for3	2147483647 (0 resources)
License Connections	License Number DSS1-4388-8635-7953	Digital Sign Resources 2147483647 (16 resources)
Settings Outputs Logging Administrators	Type Normal Expiry date No Expiry	Workspace Resources 2147483647 (16 resources)

Figure 3. License Section

The **License Number** and **Type** columns contain the respective information on the license number and type (demo, Limited-time or full).

The Total column of the License section indicates the number of allowed user calendars in the license file. If the total number of user calendars selected in group sections of Exchange Connector or Digital Signs exceeds the total number of users allowed in the license file, DSS Manager will show a warning message and will not allow more users to be selected.

The number out of brackets in Exchange Connector Resources and Digital Sign Resources indicates the number of allowed user calendars in the license file. The number in the brackets depicts the number of used licenses (resources added). If the total number of user calendars selected in Exchange Connector and Digital Signs exceeds the total number of users allowed in the license file, Digital Sign Service Manager will show a warning message and will not allow more users to be selected.

The Expiry date column can contain a particular date on which the license will expire.

2. Establish connections

Digital Sign Service Manager	Connections
DASHBOARD	🔚 SAVE 🚫 TEST 📰 EXCHANGE ON-PREMISE 🦉 EXCHANGE ONLINE
✓ REPORTS	
∧ SYSTEM	Exchange On-Premise
License	▲ Domain Controller
Connections	* Domain Controller [®] X E
Settings	
Outputs	
Logging	* User Name
Administrators	
Advanced	* Password
Information	
✓ CONFIGURATION	* Domain name
✓ LOCATION	
	Add New
	▲ Exchange Server
	* Exchange Server ⁽¹⁾ × 🖂
	* User Name
	* Password
	* Domain name
	Add New
	Evchange Online
	Exchange Online
	* Tenant Name [®] × E
	staod.onmicrosoft.com
	*Application Client ID for Exchange communication
	d503f02c-5a95-4f0d-b562-1a0732bd27e2
	* Client Secrets
	Application Client ID for Keyboard authentication from Client and/or Workspace
	authentication login
	f1983c14-583c-4a19-ae38-a305d3483486
	Database
	* Server name
	192.168.1.68 * Refresh
	* Login ID
	* Password
	* Database name
	Create/Update

In this section you can add multiple Domain Controllers and On-Premise Exchange Servers by clicking the [Exchange On-Premise] button on the toolbar. But you can only add one Online Exchange Server. If you already added it, the [Exchange Online] button will be blurred.

In the **Domain Controller** field, enter the Active Directory machine address.

For Exchange Server:

Enter the Name of Client Access Server (CAS) or Name of Exchange Server where appointments are to be got from.

The service account to be used here must be granted impersonate permission. For information about how to set necessary permission for the account, refer to the <u>KB0021</u> - <u>Steps to configure</u> <u>Application Impersonation</u> <u>rights in Exchange Servers</u>.

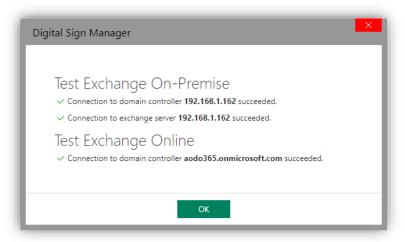
NOTE: User name for Domain Controller/Exchange Server must be only the account name (e.g. johnsmith). Any other formats (such as **abc\johnsmith** or johnsmith@abc.com) are not accepted.



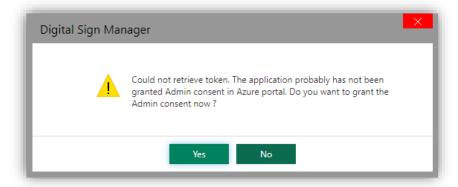
If **Exchange Online** is selected, you need to create application on Azure portal and retrieve details to fill in here. For more details, please refer to this <u>Knowledge Base Article</u>.

You can test the correctness of the specified access parameters for the Exchange Server by clicking [Test] button (you might be required to provide the User Name and Password again).

If you click [**Test**] button and the application has been granted Admin consent in Azure portal, the following message shows up:



If you click [**Test**] button and the application has NOT been granted Admin consent in Azure portal, the following message shows up:



If you select [**Yes**] button, the Office 365 credentials dialog appears again for you to enter user name and password of Global Administrator account.

NOTE: To retrieve data for all fields in Exchange Online section, please refer to this <u>knowledgebase article</u> for more details.

In Database section, you can select to use Compact database (by default) or SQL Server.

Data	ibase
🔿 Use	Microsoft Compact DB (only recommended for demo purpose and small installation with maximum of 5 resources)
Use	Microsoft SQL Server or Microsoft SQL Server Express
* Server	name
MP012\	SQLEXPRESS Refresh
* L	ogin ID
sa	
* P	assword
••	
* D. (.)	
* Databa	Create/Update

3. Configure Outputs

Filter

Digital Sign Service Manager includes a visual interface to set up synchronization filtering. The Filter section (shown in the figure below) contains the following elements that can be adjusted:

∧ Filter	
Days < Today Days > Today 7 2 7 2	
Weekday Sun Sun Tue Wed Thu Fri Sat	
Appointment type Free Tentative Busy Out Of Office Working elsewhere	iere
Options 💿 Include 🔿 Exclude	
Category	Add
	Remove
 Include Private Appointments (only date/time information) 	
Subject line	
Occupied	

Figure 4. Filter

• **Days < Today** (days before current time) and **Days > Today** (days after current time): Adjust these two elements to define the date range. Only the items within the specified data range will be processed. Use value **0** to remove time restrictions for "before" or "after" periods. The default value

for **Days < Today** is 0 and for **Days > Today** is 0. If values for both fields are '0', Today will be employed.

NOTE: Applied to **DSS Client** and **DSS WorkSpace & Report**.

- Weekday: Select the weekdays in which you want to get appointments. All the items in the specified weekdays will be processed. By defaults, the weekdays from Monday to Saturday will be selected.
- In the **Appointment Types** area select one or more check boxes to indicate an appointment type.

Choose among:

- **Free** defines the appointments time as free.
- **Tentative** indicates that this appointment is still under consideration.
- **Busy** indicates that during the appointment you will be busy and do not want to be disturbed.
- Out of Office specifies that the appointment will take place out of office.
- Working elsewhere specifies that you will be somewhere else during the appointment.
- **Category Filter** represents a list of appointment categories to be included or excluded.
- Filter Action (Options) allows you to include categories to, or exclude categories from, processing. The selected option (Include or Exclude) applies to all the categories in the list.

You can modify the list of categories by adding new ones or removing existing ones.

To add a new category to the list, do the following:

1. Click the **Add** button. The **Add New Category** window shows up as shown in the figure below.

Digital Sign Manage	r	×
Add new	category	
Enter name of catego	ory	
Category name		
	OK Cancel	

2. Type in the category name you need.

To remove a category, select that category in the list and click [Remove] button.

- Include Private Appointments check box allows including private appointments into processing. Select this option for DSS to collect only time and date information from appointments, leaving all text fields empty.
- The **Subject Line** field allows entering a subject value, which will be used to replace the subject line in private appointments prior to storing them to a destination store. This field is available only if the **Include Private Appointment** check box is selected.

Exchange Connector Output

For **Exchange Connector** system, data is synchronized and saved in an xml file namely the *CustomerID.xml* file. Therefore, the CustomerID must be specified.



The xml file can be saved in two types of destination store which are FTP Server and File server. Select the checkboxes (**Output to FTP Server** and **Output to File Server**) to determine where to put XML output file.

FTP Output		
 Output to FTP Server 		
* Host name	* Port	Remote directory
	0	
* Username		* Customer ID
* Password		Connection mode
		Active O Passive
Time Out		Transfer mode
0		O Binary ASCII
File Server		
 Output to File Server 		
* Customer ID		* Physical path
222		Data4Client/Ariadne Output

Figure 5. Exchange Connector Outputs

Output XML file to FTP Address

Select the **Output to FTP Server** checkbox to enable synchronization to FTP server. The configuration fields for this destination would be enabled.

In the **Hostname** and **Port** field, enter the name of FTP Server and the port through which data can be transfer.

NOTE Host name can be an IP address.

Username and Password: Specify Username and password to log on to the FTP Server.

Connection Mode: In order to connect to an FTP server that has a firewall enabled, you have to connect using a specific connection mode (**Active** or **Passive**) in your FTP program.

Time Out: Enter the inactivity time out value of Ftp server in this field.

Transfer Mode: The outputted xml file can be transferred via FTP in two different modes, namely the **Binary** mode and **ASCII** mode. The ASCII mode transfers files as 'text' while the Binary mode transfers files as raw data. Users are recommended to choose **ASCII mode** for file transferring.

Remote Directory: Specify the folder of the FTP Server in which the xml output file should be saved in.

Customer ID: The customer ID specified in this section will be used as the name of the XML output file for Exchange Connector.

You can test the correctness of the specified access parameters for the Digital Signs Output by clicking [**Test**] button. If the setting is incorrect, Digital Sign Service Manager will show you messages containing recommendations to check what value is wrong.

Output XML file to File Server

Select the **Output to File Server** checkbox to enable synchronization to File Server. The configuration fields for this destination would be enabled.

To save XML output file to File Server, specify two fields below:

Customer ID: In this field, enter the customer ID for Output.



Physical Path: Relative path on web server where the XML file should be put.

4. Add resources

In this section, you can add various types of resources. This can be done one by one, or you can select a group of resources to add as well.

Go to **Configuration** → **Resources**, select [**Add Resources**], the following window shows up:

Domain controller Select domain controller	Group Contains		Contains		
Account Name	Resource Name	Resource Email	Contains	Т уре	
		There are no resource(s) to display.			

Figure 6. Add resources

First you have to select the Domain Controller where the resources you are trying to add are contained. Then select group or resource to add by checking the relevant checkbox and type the keyword into the text field.

E.g. Select group searching and type 'dss' to the text field, then click [**Search**], the result will contain group whose name matches the input keywords.

Domain controller		🖌 Group			Resource	
staod.onmicrosoft.com	-	Start with			Start with	
		dss				
Account Name	▲ Resource	Name	•	Resource Email		Туре
DSS Rooms	DSS Room	15		DSSRoom@staod.onmicrosoft.com		Group
DSS Users	DSS Users			DSSUsers@staod.onmicrosoft.com		Group

Figure 7. Search group

Check on the checkbox next to the group name and click [Add], all resources in the group will be added to the system.

You can add specific resources by select resource searching checkbox and type keyword to the text field, then click [Search]. The result will contain resources whose name match the input keywords.

Apply the same procedure to add **Exchange Connector resources** or **Virtual resources** by clicking relevant buttons on the toolbar.



Clicking on a resource will open its properties:

 General 	
Resource Name	Overrule default Display Name
aodmeetingroom@staod.onmicrosoft.com	Sign Room Name
Resource Email	aodmeetingroom@staod.onmicrosoft.com
aodmeetingroom@staod.onmicrosoft.com	
	Resource Types
in 483 in t	Meeting Room - 7
	License Type Image: Digital Sign Resource Image: Workspace Resource
▲ Features Language encode UTF-8	Default Subject Instant Meeting - Add Remove
Password	Background
Show	Add Remove
Categories	Confirm Meeting
Coffee Add	🔿 Yes 🖲 No
Person Remove	Confirm time before/after planned start time - 15 minutes
Incident Types	Incident Receiver's e-mail
Add Remove	

Figure 8. Resource's details

Make any necessary changes and click [Save] to finish.

NOTE: To make data refreshed, click [**Full Synchronization**] button to sync data from selected resources' calendars.

5. Make advanced settings for the Digital Sign Service

The **Settings** section features the following set of elements:



Interval Settings

Advanced

 Interval setting 	
Appointments synchronization interval	Enable period AD synchronization
1 🔶 minutes	Run AD synchronization at:
Disable In Period	08:00 -
From 00:00 - to 00:00 -	Run AD synchronization now
	Run

- In the **Appointments synchronization interval** box, specify the frequency (in minutes, equal or more than 1 and not exceeding 1000), at which the data will be synchronized from the Exchange Server.
- Check on **Enable period AD synchronization** and specify the time at which the synchronization will be implemented.
- If you check "**Disable in period**" and input the time range, the system will be disabled in the time range that you selected.

 Advanced 	
Use https Allow users to link NFC Card to the sy	
Use keyboard for user-authentication on digital signage	✓ Use Workspace app
Use push notification for Exchange Online	Enable service for external applications
Use push notification for Exchange On-Premise	✓ Use Office 365 Single Sign on
Binding	Digital Sign Service Client access
192.168.2.69/DigitalSignService	Only approved (recommended) +
Login method	
Login prompt (user name and password) 🔹	
Time Zone Of Exchange Connector	
(UTC) Coordinated Universal Time 🔹	

- Use https: Check this option to select https protocol
- Use keyboard for user-authentication on digital signage: Check this option to enable use of keyboard for entering credentials.
- Use push notification for Exchange Online: Check this option to enable use of notification for Exchange Online.



- Use push notification for Exchange On-Premise: Check this option to enable use of notification for Exchange On-Premise.
- Allow users to link NFC Card to the system: Check this option to enable linking NFC card to Digital Sign Service.
- Use Workspace app: Select this to use Workspace app for use of NFC card.
- Enable service for external applications: Select this to allow creating, updating and deleting NFC card.
- Use Office 365 Single Sign on: Select this to log in with Office 365 Single Sign-On
- Binding: Path to Digital Sign Service website, which will be used to create URL in the schedule file
- **Digital Sign Service Client access**: Configure if devices need to be approved to access the server. It decides which scenario will be selected for the installation flow involving 2 objects: Server side (interacted via DSS Manager) and Client side (interacted via DSS Client application):

Flow 1	Flow 2
1. DSS for Server is installed and configured to allow from 'Only approved' clients	 DSS for Server is installed and configured to allow access from 'All' clients
Digital Sign Service Client access Only approved (recommended)	Digital Sign Service Client access All (not recommended)
 DSS Client app starts up for the first time, user clicks [SETUP] button User provides URL to DSS for Server and a device name Click [Save], the details are verified and the following screen shows up: 	 DSS Client app starts up for the first time, user clicks [SETUP] button User provides URL to DSS for Server and a device name a. If user selects Configuration managed by Client and click [Save], the DSS client app on the device turns to the initial screen view:
Digital Sign Service Very soon a new digital sign will be ready for use Please wait while your new digital sign is being configurated	Fiday, Feb 23, 2018 Ball Room Accallable Vou can book a new meeting by tapping this screen Vou can book a new meeting by tapping this screen Time Meetings and events Time Meeting Organizer No meetings today
 At this moment, DSS Client app has to wait for the approval from server side On DSS Manager, a list of devices is waiting for approval: 	 b. If user selects Configuration managed by Server and click [Save], the flow goes on as described from Step 4 in Flow 1.



 7. The administrator will confirm the device and do all necessary configuration for client side (door sign type, resource name, template and all others). 	
 8. After administrator approves the device, the DSS client app on the device turns to the initial screen view: 16:43 Friday, Feb 23, 2018 Ball Room Available 	
You can book a new meeting by tapping this screen Next meetings and events	
Time Meeting Organizer	
No meetings today	
Add-On	

- Login Method: Select a method for logging into the system.
- The **Time Zone of Exchange Connector** allows setting up the resource time zone so that the correct time data is displayed in events in output file. Time zone selected in this field will be written in the *output* file.

Email Configuration

 Email Configurat 	io	n
staod.onmicrosoft.com	+	

In this section, you need to select a method to send email to the DSS system. Selecting a method from the drop-down list will enable **Reservation Confirmation** and **Error Notification** sections underneath.

 Email Configuration 	
staod.onmicrosoft.com 🔹	
* Application (Client) ID	* Client Secrets
fd53fec7-1095-4a48-92ad-9855415cd3a9	•••••
* Sender's e-mail	
staod@staod.onmicrosoft.com Test Send Mail	
 Reservation Confirmation Send confirm meeting email 	
Send confirmation at	
06:00 • or 15 minute(s) • before started	
 Error Notification 	
 Send email if errors occur 	
✓ Windows Service is not running	
No heartbeat from any devices	
Sychronization has errors	
Receiver's e-mail	
user1@staod.onmicrosoft.com	

Logging

 Logging
Logging Level
Error Only 👻

Logging level helps define what sort of data is to be logged. The **Logging level** drop-down list has 2 options: **Error Only** and **Verbose.**

Select **Error Only**, if you want only error information to be logged. In normal case, the **Error Only** option should be selected.

Select **Verbose** if hard-to-locate problems are to be detected. This option logs more detailed information about the process: errors and all sorts of calendar synchronization events which means the log files will



require more hard disk capacity. DSS produces a log file every day. User has to manually delete the old and unnecessary log files for releasing disk space (or files older than 2 days will be automatically removed).

Tag

▲ Tag		
Using Notes Tag		Company Tag
512	characters	Company:

- It is possible to create a note field in the xml file by selecting the **Using Notes tag** check box. Digital Sign Service will get data in the appointment's body as many characters as specified in the field below.
- In the XML file there always is a Company Name field. When you check the **Company tag** check box and specify a value in the field underneath, Digital Sign Service will examine appointment's subject and body to see if there is text matching the specified value. If there is a match, DSS will retrieve all data from the matched text to the end of that line and put it into the Company Name field in the XML file.

If DSS finds out more than one result match the specified value, the first value will be used.

Truncated Text

This feature of Digital Sign Service allow user to remove some text from the subject of an appointment, before saving it to the XML file.

In this section, there is a list of words that will be removed from the subjects.

 Truncated Text 	
Remove these texts from subject value:	
	Add
	Remove

Figure 9. Settings section – Truncated text

Click Add button to insert more text into the list or select a text and click Remove to delete.

Add trunk	
Add trund	cated subject
Word truncated in sub	ject
Word truncated in su	bject

Figure 10. Settings section – Truncate Subject

The truncated text is not case sensitive and DSS will search for whole word throughout the subject.

Device Configuration

In this section you can configure connection timeout of the service:

 Device Configuration
Service connection timeout
30 Seconds 🔹

6. Configure devices to be used with DSS Client

Digital Sign Service	List Of Devices							Server version 4.	Admin 02.00.0007	(
DASHBOARD	🔁 REFRESH 🔒 SA	VE <u> </u> Delete		Ţ FILTER ▼	PROBLEM REPOR	रा				
✓ REPORTS							Ke	eyword		Q
✓ SYSTEM	Device ID 🔺	Device Name	Resource N	Manufacturer	Resource E	Last Heartb	Location	Template File	Client Vers	sion
	405d1583d	𝞯405d1583d	<floorplan></floorplan>	Genymotion	🚍 <floorplan></floorplan>	Dec 14, 2020 1	Location	▼ DSS Shine Tem	4.2.1010	
Devices										
Resource Types										
Resources										

Figure 11. List of devices

The **Devices** node opens an interface section where all devices are displayed. From this panel you can see which devices are connected to resources and which are not by looking at the Resource Name and Resource Email columns. Additionally, you can see which devices are online/offline by looking at the dot icon color next to the MAC address (Device ID):

- Green color = device connected to resources
- Grey color = devices not connected to resources

NOTE: All devices asking for permission to connect to the server will be listed in 'Waiting for approval' node.

Click [**Problem Report**] button to open **Incidents** window in which you can view details of the reported issues.



You can view a device's details by clicking on it or checking on it and clicking [**Properties**] button on the toolbar, its details will be like this:

🕞 BACK 💍 REFRESH 🔚 SAVE 📘 LOG FILE 🥫	SCREENSHOT
∧ General	
Device ID	* Device Name
6NJUMVCBBC	6NJUMVCBBC
IP Address	Platform
192.168.2.44	Android 5.1.1
Manufacturer	Model
rockchip	rk312x
Device type	Digital Sign Service Client version
Tablet	4.2.2001
Last Heartbeat	Screen Size
Dec 18, 2020 10:04:00	1280 x 800
Online Status	Device Time
Online	Dec 18, 2020 10:04:53 (UTC+07:00) Asia/Bangkok
Configuration Managed by	
Server •	Location
 Configuration 	
-	Input
Sign type	Input Touch
Floor Plan *	T IOUCH
Location Floor plan	
Ho Guom	
 Include sub location 	
* Resource Name	
aodmeetingroom@staod.onmicrosoft.com	
giaiphongroom@staod.onmicrosoft.com	
Ha Giang Langbiang Room	
Langolang Room	
Information to show	
Show all rooms	
Group appointment by Room	
🔿 Yes 🖲 No	
Appointment sort order	
Start time Move U	qU
End time Move Do	
Subject	
Room name	
Organizer name	
Laurant	
∧ Layout	
Filter language	Background
English •	None 👻
Filter screen size	Logo
768x1024 ·	From Template 🔹
* Template (width x height)	
Nightfall (768x1024) 4.1 English 🔹 🏹	
 Advanced 	
Show as occupied	Config password
5 Minutes + before actual start	Show
Roll on offset	Log activity
None +	Verbose 👻
Booking time step	Update data every
15 Minutes 👻	- 15 seconds +
Date/time format	_
From system 👻	

Figure 12. Details of a device

General

General			
This section displays informatio	n of the device and allows you to type Location name to filter.		
Configuration managed by	NoteNoteInfiguration managed byClient: The configuration is controlled on Client sideServer: The configuration is controlled on Server side		
Location	Select location of the device		
Configuration			
Sign Type (configure if the sign is a door sign or a	 Door Sign: Sign used for a specific room. Door Sign: User can interact on the screen Door Sign (One Touch): User can book/end the instant meeting by one touch on the screen 		
meeting directory sign)	Meeting Directory Sign : Sign configured to show information for a number of DSS resources.		
	Floor Plan: Sign configured to show floor plan of a resource.		
Location Floor plan	Select the floor plan that contains location of the device.		
Resource name	Select a resource from the list (for Door Sign) or select several specific resources to be displayed (for Meeting Directory Sign).		
Enable Power Options	NOTE : This option is only applicable for Door Sign (Interactive) and Door Sign (One Touch) . Enable this node to set up time to turn on and off the device. After that you can configure the time to power up and power down.		
Confirm Meeting	NOTE : This option is only applicable for Door Sign (Interactive) and Doc Sign (One Touch) . Enable this node to ask for meeting confirmation and adjust confirmation time.		
Information to showNote: This option is only applicable for Meeting Directory Sign.Along with Resource name, this option allows you to filter resources for the meeting directory screen			
Group appointment by Room	NOTE : This option is only applicable for Meeting Directory Sign . Enable this option if you want the appointments to be grouped by resources.		
Appointment sort order	NOTE : This option is only applicable for Meeting Directory Sign . Use 2 buttons [Move Up] and [Move Down] to decide order of the appointment based on their details (Room name, Start time, Subject, etc.). You can also adjust the slide time by increasing/decreasing it.		
Input Note: This section is only avail Sign type.	able when you select Door Sign (interactive) or Door Sign (One Touch) for		
Auto upgrade	NOTE: This option is only applied to Qbic device.		
Touch	Enabling this option allows touching the screen to book/confirm/end/extend meeting		



Keyboard	If this option is turned on, when you book/confirm/end/extend meeting there will be an authentication screen displayed, asking for user name and password to proceed.
Card reader	Note : This option is only enabled on Qbic and Glory Star devices. If this option is turned on, when you book/confirm/end/extend meeting there will be an authentication screen displayed, and you have to swipe your card at the [Home] button to proceed. Refer to "Card Information" section in <i>DSS Client User Guide</i> for more details on how to register the card.

NOTE:

- If the above options are all enabled, the 'Card reader' will be prioritized.
- If 'Card reader' option is disabled, and 2 other options are enabled → the 'Keyboard' is prioritized.
- If the above options are all disabled, you cannot book/confirm/end/extend meeting.

Layout	
Filter Language	Select preferred language to be used in the screen interface
Filter Screen Size	Select preferred screen size to be used in the screen interface
Template (Width x Height)	You can select suitable screen resolution and language template for the sign.
Background	 Note: This selection overrides design in the template file you select in 'Template (Width x Height)' Select a background image to be displayed on the DSS Client interface None: No background image Photo Library: This option enables the [Browse] button and allows you to select background image from the client device. From Server: The background image is established by Administrator in Digital Sign Service Manager. From Template: The background image is established in the template file you select in 'Template (Width x Height)'. For more information on how to set up the background on template file, please refer to object BackgroundImage/property Source of the corresponding sign type in DSS Client – Design Guide.
Logo	 Note: This selection overrides design in the template file you select in 'Template (Width x Height)' Select logo to be displayed on the DSS Client interface: None: No background image Photo Library: This option enables the [Browse] button and allows you to select background image from the client device. From Template: The background image is established in the template file you select in 'Template (Width x Height)'. For more information on how to set up the logo on template file, please refer to object LogoImage/property Source of the corresponding sign type in DSS Client – Design Guide.
Advanced	
Show as occupied	Select time interval before start time of an appointment from which the room will be considered "occupied".
Roll on offset	Select time interval to establish display of the next meetings on the sign. This roll-on offset interval takes current time as a benchmark. If the duration from current time to start time of next meeting is less than roll on offset value, the next meeting will be displayed, and vice versa.



	NOTE : Value in "Roll on offset" field should always be greater than value in "Treat meeting rooms as" field.
Booking time step	Default time interval for booking an appointment (e.g. If the value here is 15, the default appointment time will be 15:00, 15:15, 15:30, etc.)
Date / Time format	Select where format for date / time will be employed.
Config Password	Password to open client Setting screen
Log activity	Select the level (None, Error or Verbose) that you want the application to apply for event logging.
Update data every	Select time (seconds) for the data update cycle.
Kiosk Mode	If you turn on this mode, 3 on-screen buttons (Recent Apps, Home and Back) on the devices are disabled. NOTE Kiosk Mode is only available on Qbic device (Android), other devices running Android, iOS or Windows do not have this mode.
Automatic app upgrade	Decide if the app will be automatically upgraded. NOTE : Automatic app upgrade is only available on Qbic device (Android), other devices running Android, iOS or Windows do not have this mode.

Toolbar Buttons	Description
LOG FILE	View log file of the device
SCREENSHOT	View screenshot of the device at the moment
ACTION HISTORY	View a list of actions performed on the device.

Create sub-location

If you want to create sub-group of locations under a specific node, click on that node and select **Plus** icon as shown in the following figure:

	+ / 🗇
b Locations	

Figure 13. Add a new location

Then you can type the name of the new location and click [**OK**], and the new sub-group shows up under **Locations** node:



Figure 14. New location group



Add devices to a location

Now you can add devices to this new location group by selecting the new group name from the 'Location' column of a device:

Location
Type to filter
Type to filter 🔻
▲ All ▲ Denmark

Figure 15. Add device to new group

Click on the arrow button to select a group from the drop-down list.

Click [Save] to finish.

Configure floorplan for a location

When booking a resource, it is useful if you can navigate to the resource and see the floor plan / ground map on the screen. The Floor plan section is created to serve that purpose.

Digital Sign Service Manager	Locations/2nd Floor						
DASHBOARD V REPORTS V SYSTEM	 REFRESH SAVE DELETE PROPERTIES SHOW OR CODE FLOOR PLAN Devices 						
V CONFIGURATION	Device ID 🔺 Device Name Resource Name Manufacturer Resource Email Last Heartbeat Location						
∧ LOCATION + ✓ m ↓ Locations	I91fc43c0						
2nd Floor	🗌 🔹 4eb0d0ad 🧭4.0.6006 mp_khairoom Genymotion 🗖 mp_khair Apr 13, 2020 2nd Floor						
3rd Floor							

Figure 16. Configure floorplan

Select a location and you can see the button [Floorplan Configuration]. Click on it and the Floor Plan Editor shows up. In this panel, first of all you need to add a floor plan (a map of the selected location) by clicking [Add Image] button. The following window is displayed:

Select	background						
Clients /	Floorplan				🖻 New Folder	🛓 Uplo	ad File
#	Name	Size	Туре	▲ Last Accessed	Last Modified	#	#
	battu3	96.01 kb	jpg	Mar 27, 2020 14:53:…	Mar 27, 2020 14:53:		Đ
	image10	171.19 kb	jpg	Mar 27, 2020 14:47:…	Mar 27, 2020 14:47:…	/	Đ
67	pro_planer_5	82.7 kb	jpg	Mar 27, 2020 14:46:…	Mar 27, 2020 14:46:…	1	Đ

Figure 17. Select Floor Plan

In this window, you can select the available floorplan or upload a new one from your computer by clicking **[Upload File]** button. When the floor plan is loaded to the screen, you can now map a resource with a specific location in the floor plan, so that organizer knows better about a resource's location:

🕞 BACK 🔚 SAVE 🛅 DELETE 🔀 ADD IMAGE 🧭 TEST CLIENT	Select Resources
	O □

Figure 18. Add Floor Plan

Click [Select Resources] to add a resource to the list. You can search for it from the pop-up window:



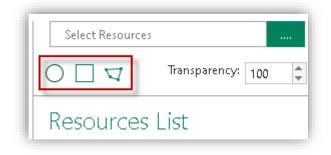
Digital Sign Manager		
Resources List		
Enter a part of the name to search for Search	for Q	
Resource Name	Resource Email	Resource Type
✓ Ball Room	ballroom@staod.onmicrosoft.com	Hot desk
🔽 Big Room	bigroom@staod.onmicrosoft.com	Hot desk
	OK Cancel	

Figure 19. Select resources

After adding all necessary resources, you need to select a resource from the list on the right panel...

Select Resources	
O □ ☑ Transparency: 100	*
Resources List	
Ball Room	Ì
) Big Room	đ

...then select a shape ...



... and put it on the floor plan:

🚱 BACK 🔚 SAVE 🛅 DELETE 🔛 ADD IMAGE 🧭 TEST CLIENT	
	Select Resources

You can see in the above example, the shape [Circle] is selected for the resource 'Ball Room', and a circle is put into the floor plan.

You can do the same for the other resource. You might select a similar shape (Circle) or different shape (Rectangle or Polygon), and this is the result:

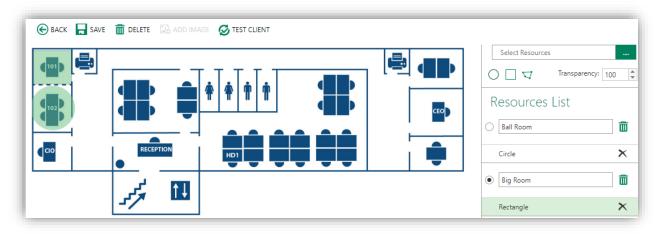


Figure 20. Floor Plan with resources

Then click [Save] to finish. You can see the result in DSS WorkSpace.

NOTE: Click on [**Test Client**] to know how this feature works on client side.

Other configurations in DSS Manager

Advanced

From here, you can remove devices that have not been operative from the time mark that you configure:

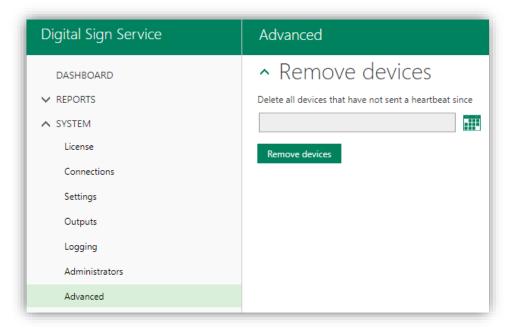


Figure 21. Remove devices

Administrators

In this section, you can configure administrator of the system.

Digital Sign Service	Administrators	s List				Server versio	Admin n 4.01.06.0005
DASHBOARD	+ ADD NEW	DELETE					
✓ REPORTS						Keyword	c
▲ SYSTEM	User Name	 Display Name 	Email	Last Login Date	Create Date	Last Modified Date	Permission
License	admin	Admin	admin@aod.vn	Sep 09, 2020 09:33:27	Dec 27, 2018 18:55:26	Dec 27, 2018 18:55:26	Full permissions ()
Connections							
Settings							
Outputs							
Logging							
Administrators							

Figure 22. Administrator list

Click [Add New] and the following panel shows up for you to add a new administrator:



Add New Administrator	
SAVE	
* User Name	Created Date
	Dec 14, 2020 14:46:05
* Password	
	Read-only
* Display Name	
]
* Email	
]
Permissions	Languages
	English-US *
SYSTEM	

Figure 23. Add a new administrator

Fill in necessary information and click [Save] to finish.

Categories

This section displays all categories that can be assigned to resources:

Digital Sign Service	Categories Li	st		Server version 4	Admin 02.00.0007
DASHBOARD	+ ADD NEW	Delete 👌 Refresh			
✓ REPORTS				Keyword	Q
▲ SYSTEM	Lcon	▲ Name	Used	Created Date	
License		Large Rooms	~	Dec 14, 2020 10:37:47	
Connections		Small rooms	~	Dec 14, 2020 10:37:59	
Settings					
Outputs					
Categories					

Figure 24. Categories list

You can add more categories to this list by clicking [**Add New**] button on the toolbar. These categories can be later assigned to resources in Features section of a resource's details.

Parameters

Parameters are used for system configuration. Every parameter has its own functionality.

In this section, you can create parameters to be used in the system by clicking [Add New] button.



Digital Sign Service	Add New Parameter
DASHBOARD	BACK SAVE
✓ REPORTS	* Key
∧ SYSTEM	
License	Value
Connections	
Settings	Description
Outputs	
Categories	
Parameters	
SQL	

Figure 25. Add a new parameter

SQL

This interface is provided for advanced level data management. Through this view, you can execute SQL statements directly on Database and view the result under the form of a table.

Digital Sign Service	SQL
DASHBOARD	💌 RUN 🚝 DB VERSION 🧬 ADVANCED
✓ REPORTS	SQL Interface
▲ SYSTEM License	Warning: This interface is intended to be used by experienced and skilled support person only. Add-On Products cannot be held responsible for SQL statements which are written and executed by the End-User.
Connections	SQL statement:
Settings	
Outputs	
Categories	
Parameters	
SQL	
Logging	Convert date/time values to local time

Figure 26. SQL Design

Clicking [DB version] button shows the DB version in use:

SQL Inte	erface							
		be used by experie atements which are						
SELECT	, SERVERPROPER , DB_NAME() AS , system_user as , (select Value fro , (select Value fro , Substring(@@V , SERVERPROPER		AS InstanceName where [Key] = 'Bin where [Key] = 'Dat QLVersion AS SQLBuild	abaseVersion') AS '	DSS DB Version'	15' //		
Convert date/	time values to loc	al time DataBaseN	DataBaseUser	DSS URL	DSS DB Ver	SQLVersion	SQLBuild	Broker Status

Figure 27. Show Database version

The following screen is the advanced mode of **SQL** which is accessed by clicking [**Advance**] button. Through this interface you can download the result of **SQL** queries on your own machine. You can also execute the update query.

SQL	
N UN	🖶 DB VERSION 🛛 🧬 ADVANCED
SQL I	nterface
	s interface is intended to be used by experienced and skilled support person only. Add-On Products Id responsible for SQL statements which are written and executed by the End-User.
Downloa	ad CSV file
O Downloa	ad Text file
O Execute	update query
SQL stateme	ent:
Convert	date/time values to local time

Figure 28. Advanced mode of SQL

NOTE: It is strongly recommended that this interface must be used by experienced support personnel, who should be proficient in writing/using SQL statements and well aware of the Resource Central Database design. Incorrect use of this interface may halt the Resource Central System or may permanently destroy the data.



Toolbar button	Description
Run	Click on Run to execute the query.
DB version	Show DB version in use
Advance	Advanced mode of SQL

Logging

This section displays detailed logs that you can see in the system.

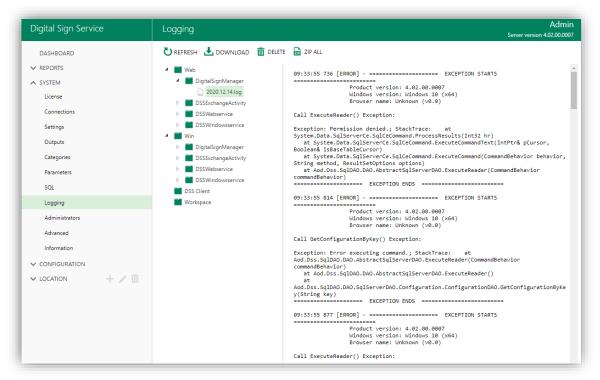


Figure 29. System – Logging

Clicking each log file, its content will be displayed on the right panel of the screen.

Information

This section provides you with all information related to the system and application.



Digital Sign Service	Information			
DASHBOARD	Platform inform	ation		
REPORTS SYSTEM	Digital Sign Service version 4.02.00.0007		Installation date	
License Connections	OS version Microsoft Windows NT 10.0.17763.	0	Exchange On-Premise	
Settings	Database engine version Microsoft SQL Server 14.0.3294.2		Exchange Online staod.onmicrosoft.com: Office 36	
Outputs Categories	Database inform	nation		
Parameters SQL	Database name nga_updateTL_14Dec	Database name		
Logging	Filter appointments From Nov 14, 2020 to Jan 13, 2021			
Administrators Advanced	Table name	Row count		
Information	tblActionHistory	161		
✓ CONFIGURATION	tblActionLog	0		
	tblAdmin	1		
	tblAppointments	1142		
	tblAriadneResources	0		
	tblCategory	2		
	tblChildResources	0		
	tblConfiguration	188		

Figure 30. System information

Resource Types

This section displays all resource groups used in the system.

Digital Sign Service	Resource T	ypes List			Server	Admin version 4.02.00.0007
DASHBOARD	+ ADD NEW	🔟 DELETE 🔥 REFRESH				
✓ REPORTS					Keyword	م
V SYSTEM	Lcon	▲ Name	Used	Use this Resource T	Create Date	
▲ CONFIGURATION	□ ₽	Hot desk		۲	Jan 03, 2020 18:05:40	
Devices		Meeting Room	~	0	Jan 03, 2020 18:05:40	
Resource Types						
Resources						
Incident Types						

Figure 31. Resource Types

You can add more types to this list by clicking [Add New] button on the toolbar. These types of resources can be assigned to each resource in Resource list:

Res	ources				
<mark>گ</mark> ه	EFRESH 🕂 ADD RES	DURCES + ADD EXC	HANGE CONNECTOR RES	OURCES SAVE	🔲 DELETE 🔚
	Account Name 🔺	Resource Name 🔺	Resource Email 🔺	Location	Resource Types
	aodmeetingroom@	AOD Meeting Room	aodmeetingroom@	Ly Thuong Kiel 🔻	Meeting Room
	ballroom@staod.on	Ball Room	ballroom@staod.on	Location 🔻	Meeting Room Hot desk
	bigroom@staod.on	Big Room	bigroom@staod.on	Location 🔻	Meeting Room

Figure 32. List of Resources

A resource type consists of the following details:

ew Resource Type	
SAVE	
* Icon Add	Remove
Date 2020 16:49:59	•
v the function to "Add reservation to own Calendar" Use this Resource Types as the default one	
v Recurring	
et reservation for the next number days * Number of reservation	
in creating reservation Use this "Show as" default value	
rr (editable) • Free •	
ay subject input box when creating new reservation	
his default subject	
rce> reserveret af <organizer> Language</organizer>	
rce> reserveret af <organizer> Language</organizer>	

Figure 33. Resource Type details

Fill in name and select icon for the resource type.

Check on **Show the function to "Add reservation to own Calendar"** to enable this function on Workspace.



Select a value for **Allow booking reservation for the next number days** with the following options:

Value	Description
-1	No limit. You can book reservations up to the next 1000 days.
0	You can only book reservations today.
Positive integer	You can book reservations in the next (entered number of) days.

These values can be applied to **Number of reservations** field.

You can select "Half hour" or "Workday" in **Time rule in creating reservation** to define default duration for a reservation.

Incident types

This section displays all types of incidents created in the system.

Digital Sign Service	Incident Types		Adn Server version 4.02.00.0	
DASHBOARD	+ ADD NEW 🔟 DELETE 💍 REFRES	н		
✓ REPORTS			Keyword	Q
V SYSTEM	Name	▲ Used ▲ Create Date	Last Modified Date	
CONFIGURATION	Network connection issue	Dec 15, 2020 10:30:11	Dec 15, 2020 10:30:11	
Devices	Server disconnection	Dec 15, 2020 10:29:53	Dec 15, 2020 10:29:53	
Resource Types				
Resources				
Incident Types				
Screen Templates				

Figure 34. Incident types

Click [Add New] button to create a new incident type, in which you can enter its name and click [Save] to finish.

Screen templates

This section displays all templates used in the system.

🕐 REFRESH 🕂 ADD NEW 🗐 DILETE 📫 UPGRADE TEMPLATE 🍺 IMPORT TEMPLATE									
								Keyword	
	File Name	Template Name	Used	Version	Width	Height	Language	Last Modified Date	
	Colorful (1024x768) Danish.xml	Colorful		4.0	1024	768	Danish	May 28, 2019 09:10:52	
	Colorful (1024x768) English.xml	Colorful		4.0	1024	768	English	May 28, 2019 09:10:52	
	Colorful (1024x768) French.xml	Colorful		4.0	1024	768	French	May 28, 2019 09:10:52	
	Colorful (1024x768) German.xml	Colorful		4.0	1024	768	German	May 28, 2019 09:10:52	
	Colorful (1024x768) Mandarin Chinese.xml	Colorful		4.0	1024	768	Mandarin Chinese	May 28, 2019 09:10:52	
	Colorful (1280x800) Danish.xml	Colorful		4.0	1280	800	Danish	May 28, 2019 09:10:52	
	Colorful (1280x800) English.xml	Colorful		4.0	1280	800	English	May 28, 2019 09:10:52	
	Colorful (1280x800) French.xml	Colorful		4.0	1280	800	French	May 28, 2019 09:10:52	
	Colorful (1280x800) German.xml	Colorful		4.0	1280	800	German	May 28, 2019 09:10:52	
	Colorful (1280x800) Mandarin Chinese.xml	Colorful		4.0	1280	800	Mandarin Chinese	May 28, 2019 09:10:52	
	Hotdesk (480x320) Danish.xml	Hotdesk		4.0	480	320	Danish	May 28, 2019 09:10:52	
	Hotdesk (480x320) English.xml	Hotdesk		4.0	480	320	English	May 28, 2019 09:10:52	
	Hotdesk (480x320) French.xml	Hotdesk		4.0	480	320	French	May 28, 2019 09:10:52	
	Hotdesk (480x320) German.xml	Hotdesk		4.0	480	320	German	May 28, 2019 09:10:52	
	Hotdesk (480x320) Mandarin Chinese.xml	Hotdesk		4.0	480	320	Mandarin Chinese	May 28, 2019 09:10:52	
	Nightfall (768x1024) Danish.xml	Nightfall		4.0	768	1024	Danish	May 28, 2019 09:10:52	
	Nightfall (768x1024) English.xml	Nightfall		4.0	768	1024	English	May 28, 2019 09:10:52	
	Nightfall (768x1024) French.xml	Nightfall		4.0	768	1024	French	May 28, 2019 09:10:52	
	Nightfall (768x1024) German.xml	Nightfall		4.0	768	1024	German	May 28, 2019 09:10:52	
	Nightfall (768x1024) Mandarin Chinesexml	Nightfall		4.0	768	1024	Mandarin Chinese	May 28, 2019 09:10:52	
	Nightfall (800x1280) Danish.xml	Nightfall		4.0	800	1280	Danish	May 28, 2019 09:10:52	
1	Nightfall (800x1280) English.xml	Nightfall		4.0	800	1280	English	May 28, 2019 09:10:52	
	Nightfall (800x1280) French.xml	Nightfall		4.0	800	1280	French	May 28, 2019 09:10:52	

Figure 35. Screen Templates

In order to have them displayed here, you have to copy all templates file to the folder Templates. By default, it is located at: C:\inetpub\wwwroot\Digital Sign Service\Clients\Templates

Computer Organize ▼ Include in librar	▼ Local Disk (C:) ▼ inetpub ▼ wwwroot ▼ Digital S rv ▼ Share with ▼ New folder	ign Service 👻 Clients 👻 Ter	nplates 👻
☆ Favorites	Name *	Date modified	Туре
🧮 Desktop] Colorful (1024x768) Danish	28-May-19 9:36 AM	File folder
鷆 Downloads	🖟 Colorful (1024×768) English	28-May-19 9:36 AM	File folder
🗓 Recent Places	\mu Colorful (1024x768) French	28-May-19 9:36 AM	File folder
퉬 DSSWebManager Builc	📙 Colorful (1024x768) German	28-May-19 9:36 AM	File folder
Contraction	📙 Colorful (1024×768) Mandarin Chinese	28-May-19 9:36 AM	File folder
Cocuments	📙 Colorful (1280x800) Danish	28-May-19 9:36 AM	File folder
	📙 Colorful (1280x800) English	28-May-19 9:36 AM	File folder
	🕌 Colorful (1280x800) French	28-May-19 9:36 AM	File folder
Videos	🕌 Colorful (1280x800) German	28-May-19 9:36 AM	File folder
	🕌 Colorful (1280x800) Mandarin Chinese	28-May-19 9:36 AM	File folder
📜 Computer	🕌 Hotdesk (480x320) Danish	28-May-19 9:36 AM	File folder
🚢 Local Disk (C:)	퉬 Hotdesk (480x320) English	28-May-19 9:36 AM	File folder

Figure	36.	Template folder

Button	Description
REFRESH	Refresh the list of templates

ADD NEW	Open Template Editor. Refer to DSS Template Editor User Guide for more information on how to create a template.
DELETE	Delete selected templates.
UPGRADE TEMPLATE	Upgrade templates to new names/versions.
IMPORT TEMPLATE	Open panel that allows you to import a template from your machine.
EXPORT TEMPLATE	Export selected templates to your machine.

Card Holders (Users)

This section allows you to create a list of users, who can interact with the devices.

To create a new user, go to **Configuration** \rightarrow **Card Holders (Users)** and click [**Add New**] on the toolbar. The following panel shows up:

SAVE		
* ID	* Email	
* Display Name	* Start Date	
* Account Name	May 28, 2019	
	Jan 01, 2100	

Figure 37. Add a new user

Fill in necessary information, which will be required when this user interacts with the device (book/end/extend meeting). How this information should be entered is configured in a device's details (open a device's properties \rightarrow Configuration \rightarrow Input) or from Client side (in DSS Client app, open Setting \rightarrow Card Information).

Check on [Enabled] to activate this user in the system. Click [Save] to finish.