HimawariCast: software manual

Kencast client Ver.9

13 September 2017

JMA's HimawariCast software enables conversion of HRIT files received via the HimawariCast service into SATAID format and allows display on a PC with other data in SATAID format. The software runs on Windows (64-bit OS) with 8 GB or more memory. This document outlines how the software is installed and configured.

1. KenCast Fazzt Professional Client

1.1. Preparation for Installation

Connect to the Internet.

1.1.1. Executing Windows Update

Run Windows Update to ensure that your OS is the latest version.

1.1.2. Installing Database Software

Install MS SQL Server 2014 Express Edition SP 1 using the Fazzt Client ver. 9.0.x CD (Kencast, Inc.). Run install64.bat (for 64-bit OS) from the 3rdParty\SQLExpress folder. Note: Use of the Fazzt Client ver. 9.0.x CD (Kencast, Inc.) is recommended.

The installation command prompt screen will open, and a [User account control] pop-up window will be displayed. Click the [Yes] button.

In the [Choose Directory For Extracted Files] pop-up window, click the [OK] button.

Choose Directory For Extracted Files	\times
Choose Directory For Extracted Files D¥1 abcs73db67bff82110e49¥	
Ok Cancel Browse	

On the [Product Key] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup		<u></u>		×
SQL Server 2014 Setup Product Key Specify the edition of SQL Serv Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration	ver 2014 to install. Validate this instance of SQL Server 2014 by entering the 25 of authenticity or product packaging. You can also specify a or Express. Evaluation has the largest set of SQL Server feat Online, and is activated with a 180-day expiration. To upgra Edition Upgrade Wizard. (Specify a free edition: Express	a free edition of SQL Server, such ures, as documented in SQL Sen	oft certifica as Evaluat	ate
Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete		< Back Next >	Canc	-

Check the [I accept the license terms.] box on the [License Term] screen and click the [Next >] button.



On the [Global Rules] screen, check the computer and the conditions for SQL Server installation, then click the [Next >] button



Check the [Use Microsoft Update...] box on the [Microsoft Update] screen, then click the [Next >] button.



On the [Product Updates] screen, click the [Next >] button if there are no files to update.



On the [Install Rules] screen, click the [Next >] button.



On the [Setup Role] screen, click the [Next >] button.



On the [Feature Selection] screen, click the [Next >] button.

Feature Selection Select the Express features to	install.			
Product Key License Terms Global Rules Microsoft Updates Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration	Eeatures: Database Engine Services SQL Server Replicatio Shared Features Client Tools Connectivity Client Tools Backwards C Client Tools SDK Management Tools - Bas Management Tools - Bas LocalDB Redistributable Features	n ompatibility ic Complete	Feature description: The configuration and operation of each instance feature of a SQL Server instance isolated from other SQL Server instances. Server instances can operate side-by-side Prerequisites for selected features: Already installed: Windows PowerShell 2.0 Microsoft .NET Framework 3.5 C Disk Space Requirements Drive C: 2423 MB required, 885836 MB available	SQL
Feature Configuration Rules Ready to Install Installation Progress Complete	Select <u>A</u> II <u>Unselect AII</u> Instance goot directory: Shared feature directory: Shared feature directory (<u>x</u> 86):	C:¥Program File	s#Microsoft SQL Server¥ s#Microsoft SQL Server¥ s (x86)¥Microsoft SQL Server¥	•••

On the [Instance Configuration] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup					1 <u>777</u>)		×
Instance Configuration Specify the name and instance		QL Server. Instance	ID becomes part of th	e installation path.			
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	 <u>D</u>efault instance <u>Named instance</u>: 	SQLEXPRESS					
	Instance <u>I</u> D:	SQLEXPRESS					
	SQL Server directory: Installed instances:	C:¥Program Files¥	Microsoft SQL Server	¥MSSQL12.SQLEXPRESS			
	Instance Name	Instance ID	Features	Edition	Ver	sion	
			< <u>B</u> ack	<u>N</u> ext > Cance		Help	

On the [Server Configuration] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup				-		
Server Configuration						
Specify the service accounts an	id collation configuration.					
Product Key	Service Accounts Collation					
License Terms Global Rules	Microsoft recommends that you	use a separate account for each	SQL Server servi	ice.		
Microsoft Update	Service	Account Name	Password	Startu	ар Туре	
Product Updates	SQL Server Database Engine	NT Service¥MSSQL\$SQL		Auton	natic	-
install Setup Files	SQL Server Browser	NT AUTHORITY¥LOCAL		Auton	natic	~
Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete						

On the [Database Engine Configuration] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup					122-1	×
Database Engine Config Specify Database Engine auther		administrators and	data directories			
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules	Server Configuration Specify the authent Authentication Mod Windows authen Mixed Mode (SQ Specify the password: Enter password: Confirm password: Specify SQL Server a BUILTINVAGMINIST NT AUTHORTY MSY	ication mode and i de tication mode L Server authentica rd for the SQL Serv	administrators fo	or the Database Engi	,	
Ready to Install Installation Progress Complete	Add Current User	(AML) AML¥	emove < <u>B</u> ack	<u>N</u> ext >	have unrestric to the Databas Cancel	

On the [Ready to Install] screen, click the [Install] button.



On the [Complete] screen, click the [Close] button.

		- 0	×
Complete			
Your SQL Server 2014 installa	tion completed successfully with product updates.		
Product Key	Information about the Setup operation or possi	ible next steps:	
License Terms	Feature	Status	^
Slobal Rules	Client Tools Connectivity	Succeeded	
Microsoft Update	Client Tools SDK	Succeeded	-
Product Updates	Client Tools Backwards Compatibility	Succeeded	
nstall Setup Files	Management Tools - Basic	Succeeded	
nstall Rules	Oatabase Engine Services	Succeeded	
Setup Role	SOL Server Replication	Succeeded	Y
Fasture Selection			
eature Rules	<u>D</u> etails:		
Feature Rules nstance Configuration	Details: Viewing Product Documentation for SQ)L Server	^
Feature Rules Instance Configuration	Viewing Product Documentation for SQ		
Feature Rules nstance Configuration Server Configuration	Viewing Product Documentation for SQ Only the components that you use to view	and manage the documentation for SQL Server have	
Feature Rules nstance Configuration Server Configuration Database Engine Configuration	Viewing Product Documentation for SC Only the components that you use to view been installed. By default, the Help Viewer	and manage the documentation for SQL Server have component uses the online library. After installing	
Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library f	and manage the documentation for SQL Server have	
Feature Rules nstance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library f	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server	
Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library I your local computer. For more information, (< <u>http://go.microsoft.com/fwink/?LinkID=29</u>	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server 99578>).	
Feature Rules nstance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install nstallation Progress	Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library f your local computer. For more information,	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server 99578>).	
Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library I your local computer. For more information, (<http: ?linkid="29<br" fwlink="" go.microsoft.com="">Summary log file has been saved to the followin C:¥Program Files¥Microsoft SQL Server¥120¥S</http:>	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server 99578>). Ing location: etup Bootstrap¥Log¥20160817_150547	
Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library I your local computer. For more information, (http://go.microsoft.com/fwlink/?LinklD=28 Summary log file has been saved to the following	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server 99578>). Ing location: etup Bootstrap¥Log¥20160817_150547	
Feature Rules nstance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install nstallation Progress	Viewing Product Documentation for SQ Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library I your local computer. For more information, (<http: ?linkid="29<br" fwlink="" go.microsoft.com="">Summary log file has been saved to the followin C:¥Program Files¥Microsoft SQL Server¥120¥S</http:>	and manage the documentation for SQL Server have component uses the online library. After installing Manager component to download documentation to see Use Microsoft Books Online for SQL Server 99578>). Ing location: etup Bootstrap¥Log¥20160817_150547	

The database program will be installed. Press any key to close the command prompt screen.



1.1.3. Installing 7-Zip

Go to the link below, download 7-Zip (for 64bit) and install it.

http://www.7-zip.org/download.html

Follow the wizard to install.

Note: Do not change the installation directory.

1.1.4. Installing HimawariCast Software

Go to the link below and download JMA's HimawariCast software.

http://www.data.jma.go.jp/mscweb/en/himawari89/himawari_cast/himawari_cast.ht

ml#software

Unzip the downloaded HimawariCast_software.zip file to reveal the following two folders:

KenCast

SATAI D

Move the SATAI D folder to drive C: $\$ for a location at C: $\$ SATAI D.

Note: Script files in the KenCast folder should be moved to another folder as described in 1.2.2.

1.1.5. Creating Folders

Create the following required folders using Windows Explorer:

- C: \HRIT C: \HRIT_in C: \HRIT_tmp C: \LRIT C: \MANAM
- C: \SATAID_I mage
- C: \SATAI D_Obs
- C: \Temp

1.2. Installing KenCast Fazzt Professional Client

1.2.1. Installing Fazzt Client

Install Fazzt Client for Windows using the Fazzt Client CD. Execute FazztProfessi onal Cl i ent. exe from the Fazzt\Wi ndows folder.

Fazzt Client will be installed under

C:\Program Files (x86)\KenCast\.



On the Wizard screen, follow the guidance and click the [Next >] button.

On the [End-User License Agreement] screen, click the [I Agree] button.

azzt Professional Client 9.0.0.2		
End-User License Agreement		<
Your CUSTOMER LICENSE LABEL can be for ROM or diskettes on which you received the		í
NOTICE TO USER: THIS IS A CONTRACT. BELOW, YOU ACCEPT ALL TERMS AND CI		
IMPORTANT - READ CAREFULLY: This En between you (either an individual or a single e manufacturer of the computer software specif Agreement. You are subject to the terms and whether you acquired KenCast's Fazzt softwa such as a supplier of other software or of hard associated media, any printed materials, and a term Product shall also include any Releases its distributors. By installing or otherwise using	ity) and KenCast, Inc. ("KenCast"), the d in the CUSTOMER LICENSE LABEL of this onditions of this End-User License Agreement directly from KenCast, or from another source are. Product includes computer software, the y "online" or electronic documentation. The Versions of Product obtained from KenCast o	
azzta Digital Delivery System		
	< Back Agree Car	

On the [License File] screen, click the [Browse] button and select the License File (file type: .kcl) provided with the Fazzt Professional Client purchase, then click the [Next >] button.

Note: The License File should be placed in advance in any folder. After installation, it will be copied to the Destination Folder specified later.

Fazzt Professional Client 9.0.0.2		×
License File		\leq
Your Fazzt license file was shipped on a sep have been delivered via email. You must ins operated.		
Multiple license files may be included on one ONE COMPUTER ONLY. Contact KenCast		
C:\Users\Documents\F		Browse
Fazzta Digital Delivery System		
	< <u>B</u> ack <u>N</u> ext≻	Cancel

On the [Select Database Server] screen, click the [Next >] button.



On the [Service Log On Account] screen, click the [Next >] button. The [Username] and [Password] fields can be left empty.

Fazzt Professional Client 9.0.0.2	×
Service Log On Account	\leq
Domain\MyUser or .\MyLocal service will run under the Loc For multinode products such a	count that the Fazzt service will use. The format for username is IUser. If you leave the username and password empty the Fazzt alSystem account. as the Enterprise Server, it is required that all nodes run under so necessary to use a user account if Fazzt needs to access
Username	
Password	
Fazzta Digital Delivery System 🦳	< <u>B</u> ack Next> Cancel

On the [Destination Location] screen, click the [Next >] button.

Fazzt Professional Client 9.0.0.2	>
Destination Location	<
Setup will install Fazzt Professional Client 9.0.0.2 in the followin	ng folder.
To install into a different folder, click Browse, and select anoth	er folder.
You can choose not to install Fazzt Professional Client 9.0.0.2 Setup.	by clicking Cancel to exit
Pestination Folder	
C:\Program Files (x86)\KenCast\Fazzt	Description
	Browse
	BIowse
Fazzla Digital Delivery System	BIOWSE



Click the [Next >] button on the [Start Installation] screen to begin installation.

Click the [Finish] button to complete installation.



1.2.2. Installing Fazzt Script

Create the following folder under the Fazzt Client installation folder as a place to store Fazzt Script files.

C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast

Store the following Fazzt Script files in the KenCast folder (as specified in 1.1.4) in the above folder:

DeleteFilesOlderThanN.fzt Match10.fzt CombineAnyway.fzt ConcAndConvert.fzt UnzipIncomingFiles.fzt

The KenCast folder can then be deleted.

1.3. Configuring KenCast Fazzt Professional Client

The Fazzt Client web-based configuration page can be accessed via a web browser. The default URL is as follows:

http://127.0.0.1:4039/

Right-click the antenna icon on the right of the task bar and select [Admin (WWW)] from the pop-up menu. A browser will open.



The following screen will be displayed:



1.3.1. Adding Channels

Add a channel for data receipt.

Go to [Configuration] on the left of the screen and select [Channels]. The Channels setting screen will be displayed.

(1:4039/admin/index.fsp 👂 = 🖒 🐞 Fazzt Administra	tion (DESKT ×	- ロ × 命会贸 <mark>9</mark>
	interaction of the second s		870,050- 488 - 73
KenCast Fazzt Adm	inistration (DESKTOP-9NLO63P)		Welcome Administrator
 Configuration Channels Receive Settings 	Channels		
Storage Settings Database License	Channels Channel Defaults		
Logging Scripting	Add Delete Refresh Help		
Script Folders Backhaul Passwords	Receive Channels		
Alarms	Channel 🛆	Туре	
Web Sites Import/Export	🔲 🔍 🗷 <u>1. Main</u>	IP Receive (Multicast)	Edit Delete Reload Disable
 Tools Schedule 	Add Delete Refresh Help		
 Applications Statistics 			
Logs			
Documentation			
The apple of the set of the Street Restored St.			

The Main channel is already present by default. Click the [Delete] button to delete it. Click the [OK] button in the window below to confirm deletion.



Click the [Add] button.

 (-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	4039/admin/index.fsp \mathcal{P} = C SFazzt Administration (DESKT ×	- 므 × 슈☆ 영 <mark>@</mark>
KenCast Fazzt Admi	inistration (DESKTOP-9NLO63P)	Welcome Administrator
 Configuration Channels Receive Settings 	Channels	
Storage Settings Database License	Channels Channel Defaults Add Delete Refresh Help	
Logging Scripting Script Folders Backhaul	Receive Channels	
Passwords Alarms	Channel A Type	
Web Sites Import/Export	No receive channels	
 Tools Schedule 	Add Delete Refresh Help	
 Applications Statistics 		
Statistics Logs		
Documentation		

Select [IP Receive (Multicast)] from the Receive list.



Set up the required items on the Add IP Receive (Multicast) Channel setting screen.

- □ × 命命® ®
Welcome Administrator

Description:	(Input the channel name, e.g., Hi mawari Cast.)	
IP Address:	(Input the IP address of the multicast to be used.	
	This is 239. 0. 0. 1 for HimawariCast.)	
IP Family:	(Select [IPv4].)	
Port:	(Input the port number of the multicast to be used.	
	This is 8001 for HimawariCast.)	
Buffer Size:	6291456	
Interface:	(Select the network interface of the channel to be used.)	

Click the [Save] button.

Note: Pay attention to PC firewall settings.

Permit settings to allow receipt via the above multicast IP address and port number. Refer to the relevant firewall manual for instructions. The Channels screen will be displayed as follows:

🗲 🛞 📡 http://127.0.0.	11-4039/admin/index.fsp		- L × 企会感 <mark>。</mark>
KenCast Fazzt Adm	inistration (DESKTOP-9NLO63P)		Welcome Administrator
 ✓ Configuration Channels Receive Settings Storage Settings Database License Logging Scripting Script Folders Backhaul 	Channels Channels Channel Defaults Add Delete Refresh Help Receive Channels		
Passwords Alarms	Channel	Tuno	
Web Sites Import/Export > Tools > Schedule > Applications > Statistics	Image: Address: 239.0.0.1 Port: 8001 Add Delete Refresh Help	IP Receive (Multicast)	Edit Delete Reload Disable
 Logs Documentation 			

1.3.2. Receive Settings

Go to [Configuration] on the left of the screen and select [Receive Settings]. The Receive Settings screen will be displayed.

				- □ × 合会回@
G (=) (http://127.0.0	0.1:4039/admin/index.fsp ♀ ♂	Fazzt Administration (DE	SKT ×	W 22 89 🙂
**				
KenCast Fazzt Adr	ninistration (DESKTOP-	9NLO63P)		Welcome Administrator
▼Configuration Channels	Receive Settings			
Receive Settings storage settings	Settings Logging Vir	tual Paths Post Process	ing Configuration	
Database License Logging ScriptFolders Backhaul Passwords Alarms Meb Sites Import/Export > Tools > Schedule > Applications > Statistics > Logs	Allow network paths Allow absolute paths Allow absolute paths Unwrap incoming package Enable AutoScripts in inco Enable incoming Fazzt co Ignore transmissions from Receive only from: Fazzt Script On Complete Transmissions: On Incomplete Transmissions	ming packages nfiguration updates n self		
Documentation	Temporary Storage			
	Temporary Storage Directory	%FAZZTTEMP%\ktd		
	Use temporary directory of Local Temporary Directory Stream]	
	Default Output Setting:	Use flags from Server 🗸]	
	Output Interface:	(default)	~	
	Convert Multicast Output t IP Address:	o Unicast		
	Output TTL:		(0-255), when empty - server specified	
	Default Recording Setting:	Use flags from Server 🗸		
	Recorded Stream Directory:	%FAZZTCACHE%\stream	ns\rec	
	Save Reset Help			

Uncheck the following:

□ Allow network paths

 $\hfill \square$ Allow absolute paths

Click [On Complete Transmissions] and select the following Fazzt Script:

C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\ UnzipIncomingFiles.fzt

Click the [Save] button.

The Receive Settings screen will be displayed as follows:

(:4039/admin/index.fsp 🔎 = C	Fazzt Administration (DESKT ×	- □ × 命命@ <mark>@</mark>
*			14-14-24-4-24-4-14-
KenCast Fazzt Adm	inistration (DESKTOP-9	NLO63P)	Welcome Administrator
 Configuration Channels 	Receive Settings		
Receive Settings Storage Settings Database	Settings Logging Virte	al Paths Post Processing Configuration	
License Logging	Allow network paths		
Scripting Script Folders	 Allow absolute paths Unwrap incoming package 	5	
Backhaul Passwords	Enable AutoScripts in inco	ning packages	
Alarms Web Sites	Enable incoming Fazzt con	figuration updates	
Import/Export	Ignore transmissions from	self	
• Tools	Receive only from:		
Schedule	Fazzt Script		
Applications	On Complete Transmissions:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawai	
 Statistics Logs 	On Incomplete Transmissions:		
Documentation			
1. A 1128 B 1977 A 1977 A 1977 A 1978 A	Temporary Storage		
	Temporary Storage Directory:	%FAZZTTEMP%\ktd	
	Use temporary directory of		
	Local Temporary Directory:	razztiemp	
	Stream		
	Default Output Setting:	Use flags from Server V	
	Output Interface:	(default)	
	Convert Multicast Output to IP Address:	Unicast	
	Output TTL:	(0-255), when empty - server specified	
	Default Recording Setting:	Use flags from Server 🗸	
	Recorded Stream Directory:	%FAZZTCACHE%\streams\rec	
	Save Reset Help	·	

Select Virtual Paths from the menu bar on the Receive Settings screen.

() () () () () () () () () () () () () (1:4039/admin/index.fsp 🛛 🔎 👻 🖒	Seazet Administration (DESKT ×	- ロ × 命命際 <mark>の</mark>
*			
KenCast Fazzt Adm	ninistration (DESKTOP-9	PNLO63P)	Welcome Administrator
 Configuration Channels Receive Settings 	Receive Settings		
Storage Settings Database License	Settings Loggine Virtu	al Paths I ost Processing Configuration	
Logging Scripting Script Folders Backhaul	Physical Path:		
Passwords Alarms Web Site s	Virtual Path	Physical Directory C:\Program Files (x86)\KenCast\Fazzt\incoming	
Import/Export Tools Schedule	Delete Lielp		
 Applications Statistics Logs 			
Documentation			

Click [\] under Virtual Paths.

The Edit Virtual Path screen will be displayed.

🕒 🕕 📡 http://127.0.0	0.1.4039/admin/index.fsp 🔎 - C 📓 Fazzt Administration (DESKT 🛪	- ロ × 企会回 @
KenCast Fazzt Adı	ministration (DESKTOP-9NL063P)	Welcome Administrator
Configuration Channels Receive Settings Storage Settings Database License Logging ScriptFolders Backhaul Passwords Alarms Web Sites Import/Export Tools Schedule Applications Statistics	Edit Virtual Path Settings Logging Virtual Paths Post Processing Configuration Virtual Path: Physical Path: C:\Temp Save Cancel Help	
►Logs ►Documentation		

Input the following and click the [Save] button:

Physical Path:

1.3.3. Creating Script Folders

Add two script folders.

Go to [Configuration] on the left of the screen and select [Script Folders]. Script Folders screen will be displayed.

(→) (127.00)	11-14039/admin/index.fsp	- □ × 命 ☆ 頌 🥮
KenCast Fazzt Adr	ninistration (DESKTOP-9NLO63P)	Welcome Administrator
 Configuration Channels Receive Settings Storage Settings Database License Logging 	Script Folders Search Clear Add Delete Refresh Pause Resume Help	
Script Folders Backhau Passwords Alarms Web Sites Import/Export > Tools > Schedule > Applications > Statistics > Lugs > Documentation	State Folder A	

Click the [Add] button.

The Setup a Script Folder screen will be displayed.

P ≠ C Statt Administration (DESKT ×	- ロ × 命章感 *
KTOP-9NLO63P)	Welcome Administrator
Blocking Mode Discussion Blocking Mode Discussion Blocking Mode Discussion Di	
	KTOP-9NL063P) pt Folder Blocking Mode Include Subdirectories (0.00.0000 (h:mm:ss.ms)

Input the following values and click the [Save] button:

Directory:	C: \HRIT_in
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\
	Match10.fzt
Blocking Mode:	(Check mark)

Directory:	C: \HRIT_tmp	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	ConcAndConvert.fzt	
Blocking Mode:	(Check mark)	

The Script Folders screen will be displayed as follows:

() () () () () () () () () () () () () (1-4039/admin/index.fsp 🔎 = 🖒 📓 Fazzt Administration (DESKT 🗵	- ロ × 命会贸(19)
KenCast Fazzt Adn	ninistration (DESKTOP-9NL063P)	Welcome Administrator
 Configuration Channels Receive Settings 	Script Folders	
Storage Settings Database	Search Clear	
License Logging	Add Delete Refresh Pause Resume Help	
Scripting	1 to 2 of 2 entries	10
Script Folders	Chalan Calder	
Backhaul Passwords Alarms	B ACTIVE C:\HRIT in Script File: C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawaricast\Match10.fz	Edit Pause Delete
Web Sites Import/Export	B ACTIVE <u>C:\HRIT_tmp</u> Script File: C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawaricast\ConcAndCo	Edit Pause Delete onvert.fzt
Tools	1 to 2 of 2 entries	
 Schedule Applications 	Add Delete Refresh Pause Resume Help	
> Statistics		
Logs		
Documentation		

1.3.4. Creating Tasks

Add three Tasks using Fazzt script.

Go to [Schedule] on the left of the screen and select [Task]. The Tasks screen will be displayed. Select [Run Script] from the [< Select Task Type to Add >] pull-down menu.



Set the required items on the Add Script Task setting screen.

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ntion (DESKTOP-9NLO63P)	Welcome Administrator
d Script Task	
	tion (DESKTOP-9NL063P) d Script Task converting General converting Ge

Input the following values and click the [Save] button.

Name:	Combine Anyway (HRIT)	
Category:	HimawariCast	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	Combi neAnyway. fzt	
Initialization:	<pre>map \$ExpTime = ["Minutes" => 25];</pre>	
	Note: Input the waiting time from the start of observation to HRIT file	
	receipt. For Himawari-8/9, a setting of 25 minutes is recommended.	

Name:	Delete Files Older Than N	
Category:	Hi mawari Cast	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	Del eteFilesOl derThanN. fzt	
Initialization:	n: \$FolderName = {"C:\\HRIT", "C:\\LRIT", "C:\\MANAM",	
	"C: \\SATAID_Image", "C: \\SATAID_Obs"};	
	<pre>map \$ExpireTime = ["Days" => 7];</pre>	
	Note: Input the period for which received data should be stored in consideration of HDD capacity.	

Name:	Delete Files Older Than N (Temp Folders)	
Category:	HimawariCast	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	Del eteFilesOl derThanN. fzt	
Initialization:	n: \$FolderName = {"C:\\Temp\\HRIT_in", "C:\\Temp\\LRIT",	
	"C: \\Temp\\MANAM", "C: \\Temp\\SATAID_Image",	
	"C: \\Temp\\SATAID_Obs", "C: \\HRIT_in\\Process",	
	"C:\\HRIT_tmp\\Process"};	
	<pre>map \$ExpireTime = ["Minutes" => 60];</pre>	
	Note: Input the period for which received data should be stored in the	
	Temp folder in consideration of HDD capacity.	

1.3.5. Adding Scheduled Tasks

Set schedules for the tasks created in 1.3.4.

Go to [Schedule] on the left of the screen and select [Task]. The Tasks screen will be displayed. Select [HimawariCast] from the blue-strip Show [All] tasks pull-down menu.

(a) 10 http://127.0.	0.1:4039/admin/index.fsp	- ロ × 命合領(
	a correspondent formation	MM LATER THE
enCast Fazzt Ad	ministration (DESKTOP-9NLO63P)	Welcome Administrat
Configuration Tools	Tasks	
Schedule Fask Application	Search Clear	< Select Task Type to Add > V Go
Applications Statistics	Show University at tasks	
.ogs Documentation	Backer Minimum and a strain and	Run Schedule Details Edit
	Schedule: Executes every 7 days at 11:59 starting on 2006-01-01 at 23:59:00. Clean up Logs Category: Maintenance Description: Clean up Log Tables, Last Rum: never - Duration: NA	Run Schedule Details Edit
	Last Status: Schedule: Executes every 24 hour(s) starting on 2006-01-01 at 23:59:00.	
	Combine Anyway (HRIT) Category: HimawariCast Description: Run Fazzt Script Last Run: never - Duration: NA Last Status:	Run Schedule Details Edit Delete
	Last Status: Delete Expired Receive Files	Run Schedule Details

Click [Schedule] on the right of the tasks to be configured.

	0.1:4039/admin/index.5p D = C Sect Administration (DFSKT_ X	- L × 命会 @ 9
S () & http://12/.u.	0.1:4039/admin/index.fsp 🔎 * C 📡 Fazzt Administration (DESKT 🛪	ur 54 12 🤟
a		
KenCast Fazzt Adı	ministration (DESKTOP-9NLO63P)	Welcome Administrator
 Configuration Tools 	1 to 3 of 3 entries	< Select Task Type to Add > Go
Schedule	Show HimawariCast 🗸 tasks	
Task Application > Applications > Statistics > Logs > Documentation	Combine Anyway (HR1T) Category: HimawaiCast Description: Run Fazt Script Last Run: 2016/08/17 17:57:26 - Duration: (running) Last Status: OK Schedule: Executes every 1 minute(s) starting on 2016-08-17 at 00:00:00. Delete Files Older Than N Category: HimawaiCast Description: Run Fazt Script Last Run: never - Duration: NA	Ru <mark>t Schedule Details Edit Delete</mark> Ru <mark>t Schedule Details Edit Delete</mark>
	Last Status:	
	Schedule: Executes every 1 hour(s) starting on 2016-08-17 at 00:05:00. Delete Files Older Than N (Temp Folders) Category: HimawariCast Description: Run Fazzt Script Last Rum: never - Duration: NA Last Status: Schedule: Executes every 1 hour(s) starting on 2016-08-17 at 00:10:00.	Rur <mark>i Schedule, i</mark> stails Edit Delete
	1 to 3 of 3 entries Refresh Help	~

Input the following values and click the [Save] button.

C () () http://127.0	0.0.1-4039/admin/index.fsp 🖉 🗸 🖒 🍏 Fazzt Administration (DESKT ×	- ロ × の☆感 ®
KenCast Fazzt Ad	Iministration (DESKTOP-9NLO63P)	Welcome Administrator
Configuration Tools	Schedule Task Combine Anyway (HRIT)	
 Schedule Task Application 	Start on August 17 2016 at 00 : 00 ·	
 Applications Statistics 	Repeat Hourly	
 Logs Documentation 	Every: 00:01:00 (hh:mm:ss)	
	Until: Stop after 1 occurrences. Expire on January V 26 V 2018 V at 10 V : 07 V	
	Save Remove This Schedule Cancel Help	

Combine Anyway (HRIT)

Repeat:	Hourl y
	Every: 00:01:00

Note: for operation at one-minute intervals.

Delete Files Older Than N

Repeat:	Hourl y
	Every: 00:10:00

Note: for operation at ten-minute intervals.

Delete Files Older Than N (Temp Folders)

Repeat:	Hourl y
	Every: 00:10:00

Note: for operation at ten-minute intervals.

1.4. Configuring Other Settings

1.4.1. Changing Buffer Size by Editing Registry

Editing the registry should be done carefully.

Start the Registry Editor (method is OS-dependent). Select the following folder in the Registry Editor.

> HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\KenCast\Fazzt\ Channel Types\{61c6de20-c78d-11d2-978d-006097295a62}\ Defaul ts

7ァイル(E) 編集(E) 表示()	0 お気に入り(A) ヘルプ(H)						
÷	Blazeband ChannelTypes (0667D0A2-A050-46C0-ADD5-B6995183F9BF) (0667D0A2-A050-46C0-ADD5-B6995183F9BF)	^	名前 ab)(既定) MRufferSize	種類 REG_SZ REG_DWORD	データ (値の設定なし) 0×00040000 (262144)		
3	- {0ACEB90C-4612-4117-97C7-42BE5E20A46F}		88 ChannelBufferSize	REG DWORD	0x00100000 (1048576)		
	 (186C3E07-B6A0-47D6-83F5-AC83082DFCD2) (34A422E1-0009-483C-8781-C2D887389797) (4183bf30-c78e-1142-9784-006097295a62) (421F9c50-c78e-1142-9784-006097295a62) (422DA99F-4C39-447D-8C93-60A3965EC404) (422DA99F-4C39-447D-8C93-60A3965EC404) (422DA99F-4C39-447D-8C93-60A3965EC404) (424Da9F-4C39-4172-9784-006097295a62) (61c6de20-c78d-1142-9784-006097295a62) (61c6de20-c78d-1142-9784-006097295a62) (61c6de20-c78d-1142-978d-006097295a62) (61c6de20-c78d-1142-978d-006097295a62) (64c177a0-c78d-1142-978d-006097295a62)U (64c785D7-086-478F-A7A-08DA020A2210) (85AD98DF-831B-47F8-879E-A32C801988A4) (E16136C-7581-1109-B15A-00A0CC28DA3A) (F382CDA+85C7-45FA-A812-A48CEE96485F) 		 Interface IPVersion MTU NULLPadding 	REG_SZ REG_DWORD REG_DWORD REG_DWORD	0x00000000 (0) 0x00001000 (4096) 0x00000000 (0)		

Double-click Channel BufferSize from the Defaults folder, check Decimal and input 6291456 and click OK button.

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表記
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OK キャンセル

2. SATAID Software

2.1. Configuring SATAID Software

2.1.1. Configuring sataid.ini

Open C: \SATAID\sataid. ini in a text editor (e.g., Notepad).

Input the time difference between the PC's built-in clock and the UTC value on the third line (default: 0 hours).

' Time-difference between local time (PC built-in clock) and UTC

2.1.2. Configuring sataid.vbs

Open C: \SATAID\sataid.vbs in a text editor (e.g., Notepad). Input the execution filename in line 26 as follows:

 $sGMSLP = GMSLPD \setminus GMSLPD64. EXE$

2.1.3. Configuring the Display Area

The following seven display areas are provided:

Display area Latitude		Longitude	Configuration file	
Full Disk	65N – 65S	80E – 200E (160W)	hri t2satai d_Ful I Di sk. i ni	
North Central (NC)	55N – 15S	90E – 155E	hri t2satai d_NorthCentral . i ni	
Northwest (NW)	65N – 5S	80E – 145E	hrit2sataid_Northwest.ini	
Northeast (NE)	65N – 5S	135E – 200E (160W)	hri t2satai d_Northeast.ini	
South Central (SC)	15N – 55S	107.5E – 172.5E	hri t2satai d_SouthCentral . i ni	
Southwest (SW)	5N – 65S	80E – 145E	hri t2satai d_Southwest.ini	
Southeast (SE)	5N – 65S	135E – 200E (160W)	hri t2satai d_Southeast.ini	



Rename the configuration file under the C: \SATAID\Program Files folder corresponding to the display area to hrit2sataid. ini. Initially, North Central (NC) is selected as the display area, and hrit2sataid. ini is the same as hrit2sataid_NorthCentral.ini.

Note: SATAID software consumes large amounts of memory when the display area is set to Full Disk.

2.1.4. Starting the SATAID Automatic Update Tool

Double-click C:\SATAID\Sataid_Loop.hta to start the SATAID Automatic Update Tool.



SATAID software starts automatically.



SATAID software reads satellite imagery of bands checked for [Satellite Band] in the SATAID Automatic Update Tool during the period checked for [Loop Duration] of the tool. Note: SATAID software consumes more memory with a greater number of bands and longer read periods.

SATAID software reads the latest satellite imagery and updates the display every five minutes. Automatic updating can be suspended by checking [Stop] under [Loop Duration] in the SATAID Automatic Update Tool.

SATAID software has buttons corresponding to Himawari satellite bands. The mapping table is as follows:

Band	Name of button
1	V1
2	V2
3	VS
4	N1
5	N2
6	N3
7	14
8	WV

9	W2
10	W3
11	MI
12	O3
13	IR
14	L2
15	12
16	СО