# HULFT License Guidelines

SAISON INFORMATION SYSTEMS CO., LTD. HULFT Division

#### Introduction

This document is a brief summary of the following common topics of inquiries:

- "License counts in virtual environment"
- "Licenses for clustering configurations"
- "Standby license"
- "Temporary use license"
- "Transition license"

Please contact our Sales Department for product prices and estimates. Some programs may not be provided overseas.

**July 2015** 

#### [Note]

- \* This document is as of December 2014. Some product names and product features may differ from the current one.
  - Please note that configuration, specifications, prices, etc. are subject to change without any advance notice.
- \* HULFT and SAISON INFORMATION are registered trademarks or trademarks of SAISON INFORMATION SYSTEMS CO., LTD.
  - Other company names, product names, and service names mentioned in this document are trademarks or registered trademarks of the respective companies.

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# 1. HULFT Licenses Basic Items



#### 1-1 HULFT Licenses Basic Policy



Each HULFT license can be used on a single operating system (OS).

#### **Basic Guideline**

A separate license is required for each OS used.

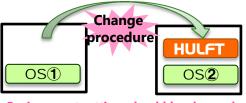


1 license



A single license can be used to install multiple HULFTs on a single OS.

OS



#### **Environment setting should be changed when migrating OS.**

\* Environment settings should be changed when devices, device host names, or device installation locations are changed.

Separate products should be purchased when changing from Windows to Linux or other OS.

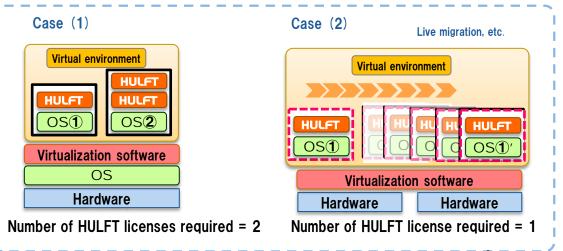
#### **Applicable Case**

The same guideline applies as to the basic guideline.

A separate license is required for each OS\*1 on which HULFT will be operated.

#### ※1: How to count OS

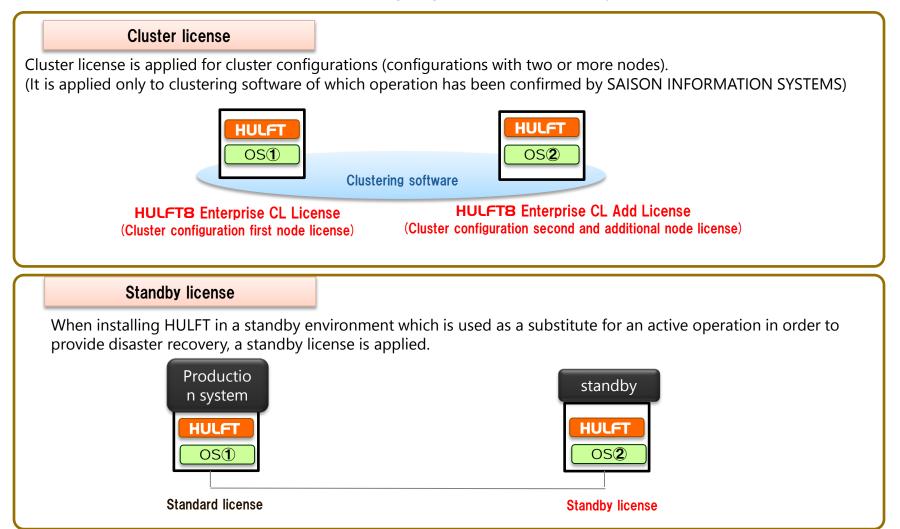
The number of OS is the number of OS which can be physically run simultaneously. When an OS is migrated, hardware is switched over, etc., the OS cannot be run simultaneously. Therefore, the number of licenses is one in this case.





#### 1-2 Types of HULFT Licenses

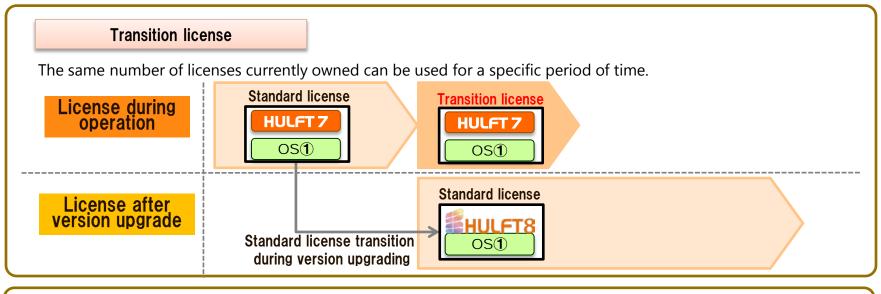
In addition to the standard license, the following special HULFT licenses are available. Please use the License Checklist on the following page to determine the type of license to use.

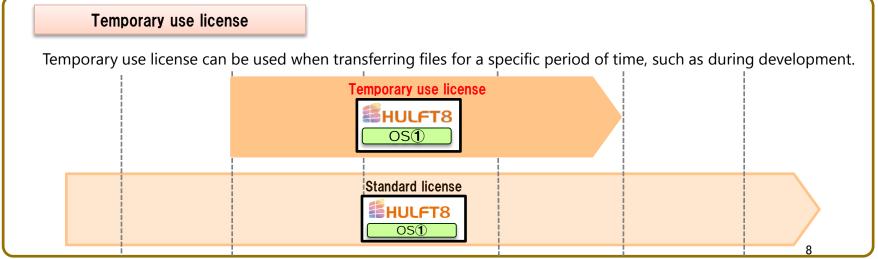




#### 1-2 Types of HULFT License

In addition to standard license, the following special HULFT licenses are also available.

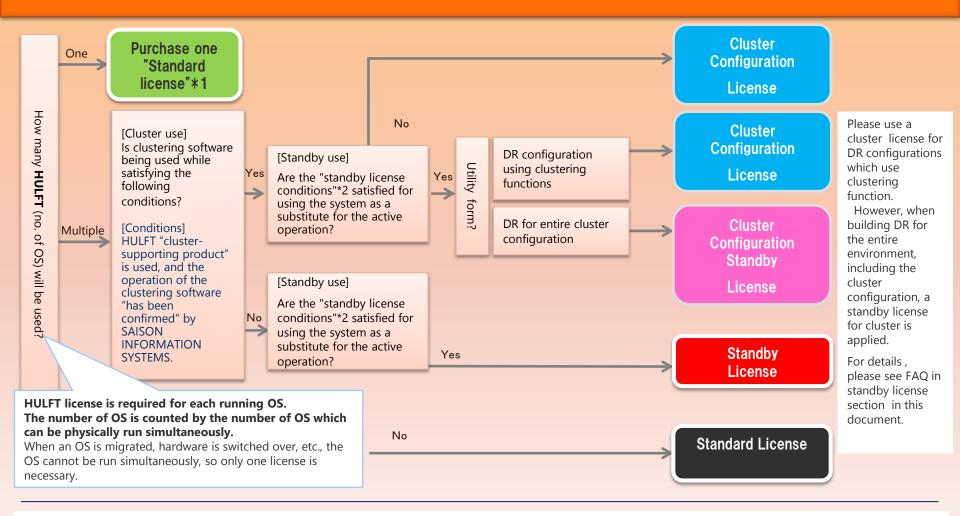




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#### HULFT License (Standard / Cluster / Standby) Checklist

- Please use this checklist to decide which license is applied; standard, cluster, or standby license -



\*1 When migrating HULFT, migration procedure is necessary if the installation location changes.

When migration procedure is not possible, please purchase HULFT for both the pre-migration and post-migration.

#### \*2 [Standby license conditions]

- ① The system is not normally in operation (\*) and does not operate in parallel with the active environment (excluding installation and verification testing).
- 2 The product is the same as that is covered by the active environment license (including grade and option configuration).
- 3 The same level of support service is purchased as the active environment.
- \* Non-operation state: Includes when service is running (but HULFT is not used), service is not running, and product is not installed.

#### 2. HULFT Virtual Environment

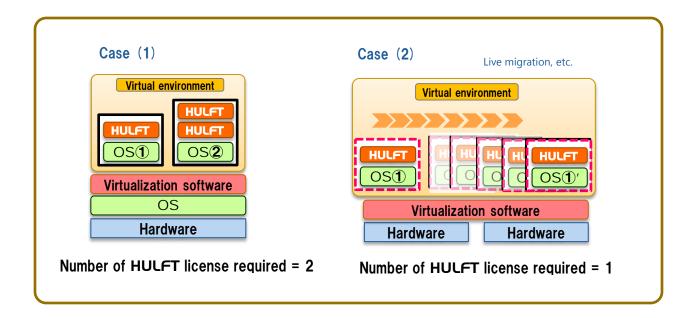
#### 2-1 License Guidelines for Virtual Environment

The same guideline applies as to the basic license count guideline.

A separate license is required for each OS\*1 on which HULFT will be operated.

#### ※1: How to count OS

<u>The number of OS is the number of OS which can be physically run simultaneously.</u> When an OS is migrated, hardware is switched over, etc., the OS cannot be run simultaneously, so only one license is necessary.



#### Case (1)

#### Building a cluster configuration system in virtual environment

Overview

When building a cluster configuration system on multiple virtual machines

**HULFT** license guidelines

A separate license is required for each OS environment on which HULFT will be operated.

\* HULFT offers inexpensive licenses for cluster configurations. For details, please refer to the Cluster license section.

#### (Example) There are two OSs running HULFT = Two HULFT licenses are required Virtual environmen Virtual environmen Operation Operation 1 Active Standby HULFT OS(1) OS(**2**) Clustering software

#### Using a virtualization software HA feature (quick migration, etc.)

Overview

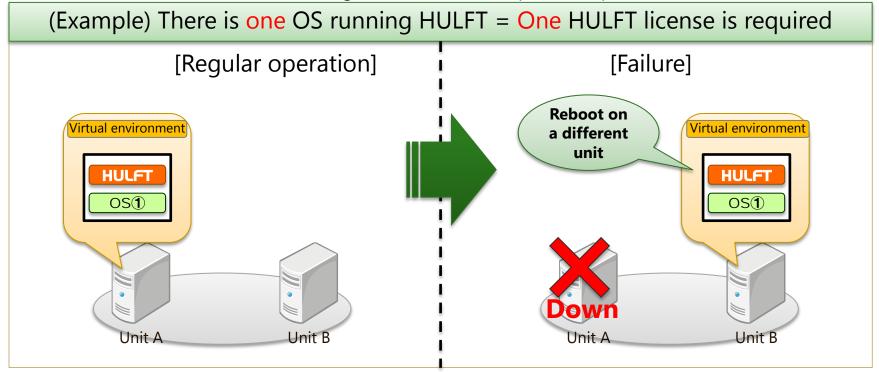
When using a function of "rebooting" a virtual environment on a different physical unit in case a failure occurs in the virtual environment (quick migration, etc.)

**HULFT** license guidelines

In this environment it is impossible to physically run the OSs on unit A and unit B simultaneously.

Therefore, the OS on which HULFT is running can be considered to be rebooted.

This configuration does not require multiple HULFT licenses.



# Migrating a virtual environment to a different physical environment without stopping the virtual environment (live migration, etc.)

Overview

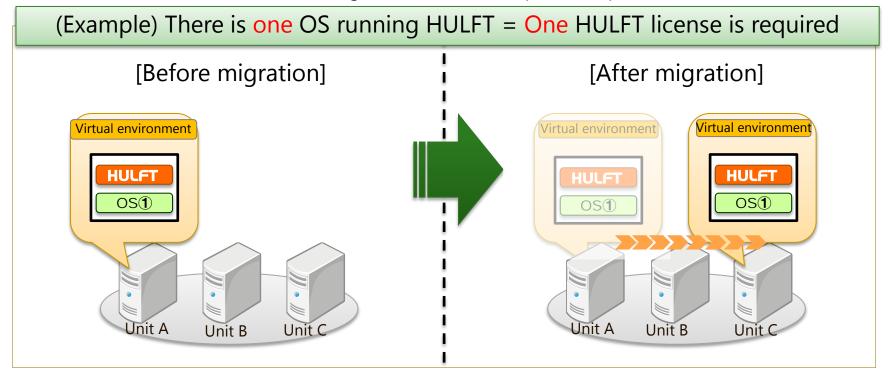
When migrating a virtual environment to a different physical environment without stopping the virtual environment (live migration, etc.)

**HULFT** license guidelines

In this environment it is impossible to physically run the OSs on separate units simultaneously.

Therefore, the OS on which HULFT is running can be considered as the same OS.

This configuration does not require multiple HULFT licenses.



#### **Case** (4)

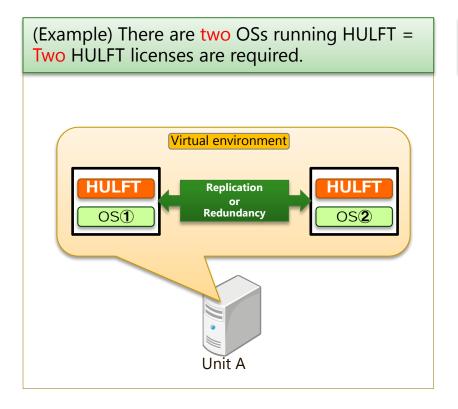
#### Building a FT configuration system in a virtual environment

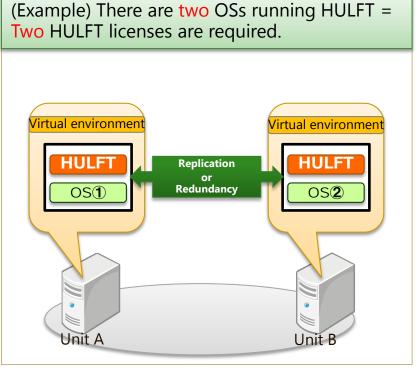
Overview

When using a function of realizing fault tolerance configuration using multiple virtual machines.

**HULFT** license guidelines

Please prepare a HULFT license for each OS on which HULFT is run, in the same manner as for physical environments.





#### 3. HULFT Cluster License

#### 3-1 Application Conditions for Cluster Configuration License

<When using HULFT with clustering environment licenses (2 or more nodes>

Product licenses which can be used in clustering environment are available for the following products.

- HULFT8 Enterprise / Server
- HULFT-HUB ENT
- HULFT-SAN
- HULFT-WebFT

Discount priced product license will be available for some configurations of clustering environment (for the 2<sup>nd</sup> and additional nodes).

The following license application conditions apply to cluster configurations. "Standard license" will be applied for any environment which does not meet all the conditions.

#### Application conditions for HULFT cluster configuration license

Condition (1) Shared disk type HA cluster (active = standby, active = active) configuration. Condition (2) Product uses clustering software of which operation has been confirmed.

\* Regarding the confirmation of clustering software operation, please see HULFT.COM for the supported OS information of each product. http://www.hulft.com/software/index.html

#### 3-2 Application Pattern for Cluster Configuration License

#### Application pattern for HULFT cluster configuration license

License application patterns for cluster configuration vary depending on the cluster configuration as shown below.

Cluster Configuration	Node(s) in which HULFT is installed	Applied HULFT License
Active = standby	Active node	1st node license
configuration	Standby node	2nd and additional node license
Active = active	1st node	1st node license
configuration	2nd and additional nodes	2nd and additional node license

#### 3-3 Type of Cluster Configuration License

#### Type of HULFT cluster configuration license

License Type	How to Identify by License Name	Example of Product Name	Remarks
Standard license	Product name	<ul><li>HULFT8 for UNIX-Enterprise</li><li>HULFT8 for Windows-Server</li></ul>	Can also be used as "1st node license."
1st node license	Product name + "CL License"	<ul> <li>HULFT8 for UNIX-Enterprise</li> <li>CL License</li> <li>HULFT8 for Windows-Server</li> <li>CL License</li> </ul>	Can also be used as "Standard license."
2nd and additional node license	Product name + "CL Add License"	<ul> <li>HULFT8 for UNIX-Enterprise</li> <li>CL Add License</li> <li>HULFT8 for Windows-Server</li> <li>CL Add License</li> </ul>	Can be used only the combination with "Standard license" or "1st node license."

#### \* Option products

For "HULFT8 Cipher Option" and the "HULFT8 SCRIPT Option," the cluster configuration license applies.

For "HULFT-HUB Server Cipher Option," only "Standard license" can be used and the cluster configuration license cannot apply.

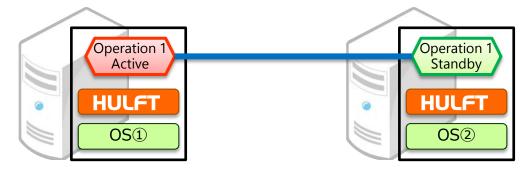
For the conditions and patterns of cluster configuration license, please refer to the following page.



# Case (1) Active = Standby configuration example

"Cluster configuration 1st node license" is applied to the active machine.

"Cluster configuration 2nd and additional node license" is applied to the standby machine.



HULFT8 Enterprise CL License (Cluster configuration 1st node license)

HULFT8 Enterprise CL Add License (Cluster configuration 2nd and additional node license)

Product	No. of Licenses
HULFT8 Enterprise CL License	1
HULFT8 Enterprise CL Add License	1
Total No. of Licenses	2

#### Case (2)

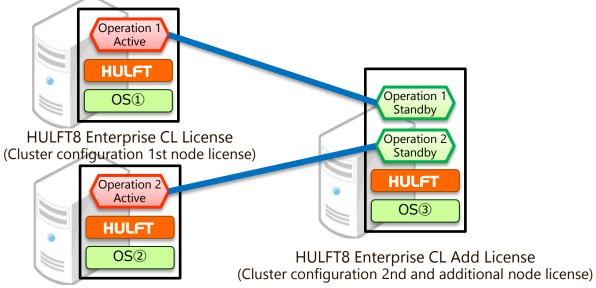
#### Active = Standby configuration example

(In case there are multiple active machines.)

"Cluster configuration 1st node license" is applied to each active machine.

"Cluster configuration second and additional node license" is applied to the standby

machine.



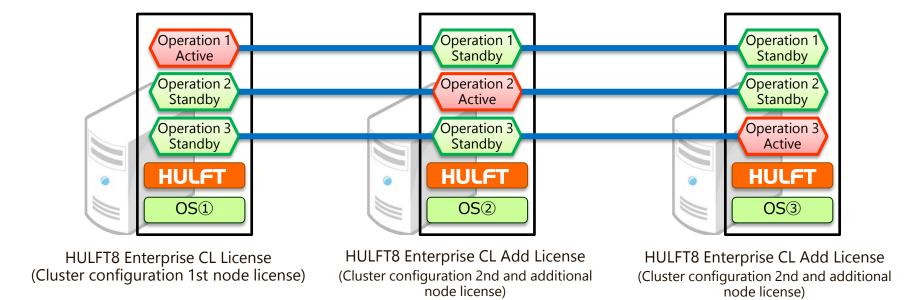
HULFT8 Enterprise CL License (Cluster configuration 1st node license)

Product	No. of Licenses
HULFT8 Enterprise CL License	2
HULFT8 Enterprise CL Add License	1
Total No. of Licenses	3



# Case (3) Active = Active configuration example

Active = Active cluster configuration example is shown as below.

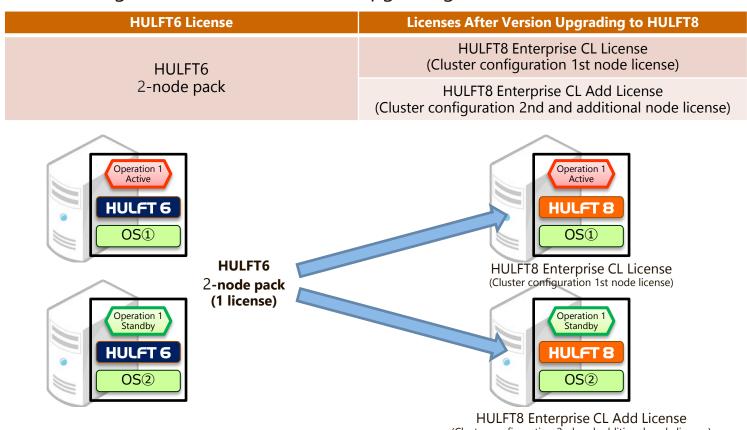


Product	No. of Licenses
HULFT8 Enterprise CL License	1
HULFT8 Enterprise CL Add License	2
Total No. of Licenses	3

#### HULFT/Series

#### 3-4 License when Version Upgrading from HULFT6 to HULFT8

HULFT6 two-node pack license (allowing use on 2 nodes with a single license) is split into the following 2 licenses when version upgrading to HULFT8.



(Cluster configuration 2nd and additional node license)

[Note] Version upgrading is a paid service option of technical support service (free of charge in some cases). License without purchasing technical support service contract cannot proceed version upgrading. For version upgrading fee, please refer to "Version Upgrade Quick Reference Table" on the product website of HULFT.com. 23



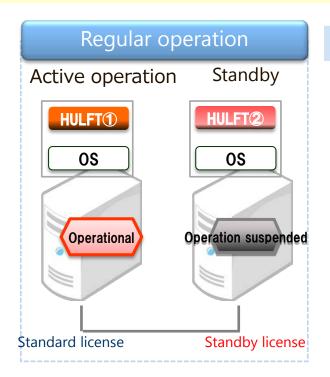
### 4. Standby License

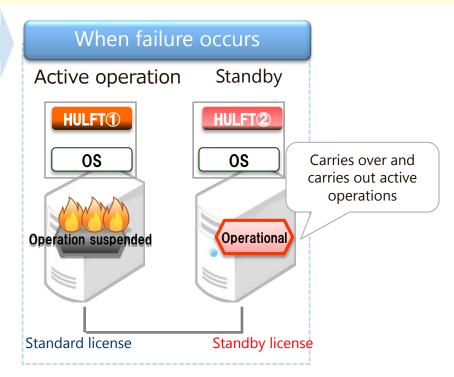
#### 4-1. Standby License

"Standby license" with discounted price for product and technical support is offered for use in standby environment used for disaster recovery (DR), etc.

This license applies not only to HULFT but also to all the products (\* with some exceptions) which are currently being sold.

"Standby license" is a license which can be applied to HULFT installed in standby environment and used as substitutes for active operation.





#### 4-2 Standby License Application Conditions

"Standby license" application conditions

[Conditions] (\*All the conditions must be met)

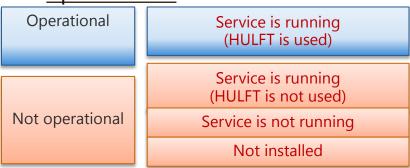
- 1 The system is normally non-operational state (\*), and does not operate in parallel with the active environment (excluding installation and verification testing).
  - \* Non-operational state: Includes when service is running (but HULFT is not used), service is not running, and product is not installed.
- 2 The product is the same as that covered by the active environment license (including grade and option configuration).
- **③** The same level of support service is used as the active environment.
- \* Please use cluster license for cluster license application environment.

  However, when building DR for the entire environment including the cluster configuration, Standby license is applied.
- \* Standby license for volume package product can be applied only when the active environment is for the volume package product.

#### Standby license application patterns

Status	Active Environment	Standby Environment
Regular operation	O:Operational	x: Not operational
Failure	x: Not operational	O:Operational

 Definition of "Operational / Not operational"



<sup>\*</sup> Use of HULFT-HUB replication feature is considered as "not operational."



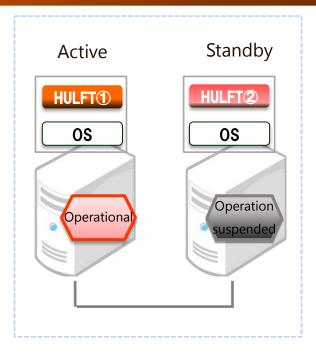
#### 4-3 Standby License Application Case

Standby license is applied for both hot standby and cold standby.

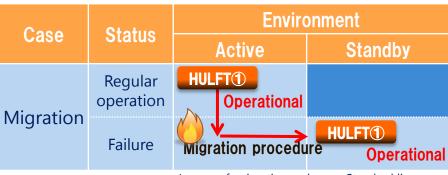
When migrating active HULFT, only one license is applied, and no Standby license is necessary.

#### Reference: Cases where Standby license is applied

Cooo	Ctotus	Enviro	onment
Case	Status	Active	Standby
Hot	Regular operation	HULFT① Operational	HULFT② Not operational (Running)
standby	Failure	HU/10 DOWN	HULFT2 Operational
Cold standby	Regular operation	HULFT① Operational	HULFT② Not running (Not started)
	Failure	HU/ 10 DOWN	HULFT@ Operational
Cold standby	Regular operation	HULFT① Operational	Not running (Not installed)
(not installed)	Failure	HU DOWN	HULFT@ Operational



#### Reference: Cases where Standby license is not applied



In case of migration, only one Standard license is applied.

#### Standby License - Applicable Product and Price

#### Applicable HULFT product

#### All products currently being sold

- Also includes products which have already been discounted. (Cluster configuration second and additional node licenses, Mainframe at volume discounted price)
- Does not include HDC-EDI Base and HDC-EDI Manager. (This is because "Backup / development unit licenses" have already been provided.)
- Does not include HULFT for NSK.

#### "Standby license" price

License Type	Price
Standby license product price Standby license technical support price Standby license Gup, Vup fee	50% of regular price

<sup>\*</sup> For the products (Cluster configuration second and additional node licenses, Mainframe volume discount price), additional Standby license discount is applied to the already discounted prices.

#### Standby license names

License Type	How to Identify License Type by License Name	Example of Product Name
Standard license	Product name Product name + support name	HULFT8 for UNIX-Enterprise HULFT8 for UNIX-Enterprise pack standard 5-year
Standby license	"DR: " + product name "DR: " + product name + support name	DR:HULFT8 for UNIX-Enterprise DR:HULFT8 for UNIX-Enterprise pack standard 5-year



Q1	Applicability of Standby licenses when using clustering
Q2	Applicability of Standby licenses when using volume discount priced products
Q3	Applicability of Standby licenses with different system configurations
Q4	Applicability of Standby licenses by usage
Q5	Applicability of Standby licenses based on support start date
Q6	Applicability of Standby licenses based on support order placement date
Q7	Applicability of Standby licenses based on support period
Q8	Applicability of Standby licenses with different revisions
Q9	Applicability of Standby licenses with different option usage
Q10	Limit of shipment quantity
Q11	Purchase timing
Q12	Applicability of SIGNAlert Standby licenses
Q13	Applicability of HUB Standby licenses

- Q 1 Standby license application conditions
  - Can Standby licenses be used when using **cluster**?
- Standby licenses cannot be applied when using clustering features for DR (Case (1)).

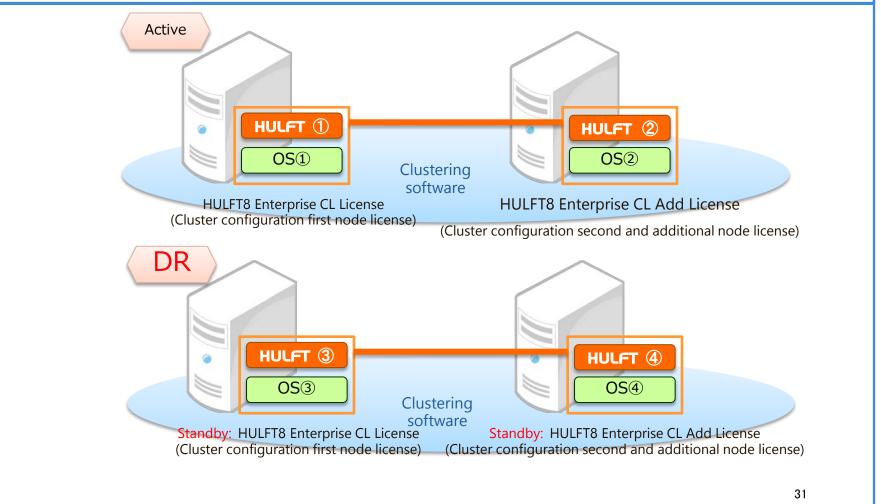
  When building DR for the entire environment including the cluster configuration (Case (2)), a Standby license will be applied.

# Case (1) When using DR with a cluster configuration, the discounted cluster price is applied and Standby licenses will not be applied. Active DR HULFT OS① Clustering software HULFT8 Enterprise CL License (Cluster configuration first node license) (Cluster configuration second and additional node license)

#### Case (2)

When building DR for the entire environment including the cluster configuration, a Standby license will be applied.

In the diagram below, "HULFT(3)" price is half as much as "HULFT(1)," and "HULFT(4)" price is half as much as "HULFT(2)".

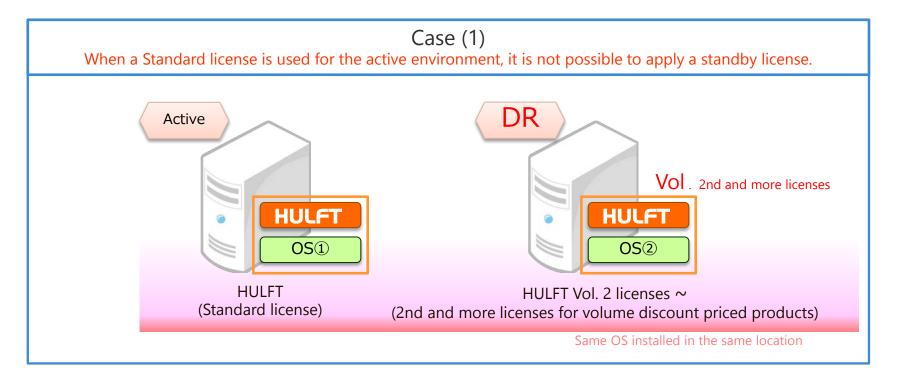




- Q 2 Standby license application conditions
  - Can Standby licenses be applied to **volume discount priced products**?
- For volume discount priced product DR:

  When a Standard license is used for the active environment, a standby license cannot be applied. (Case (1))

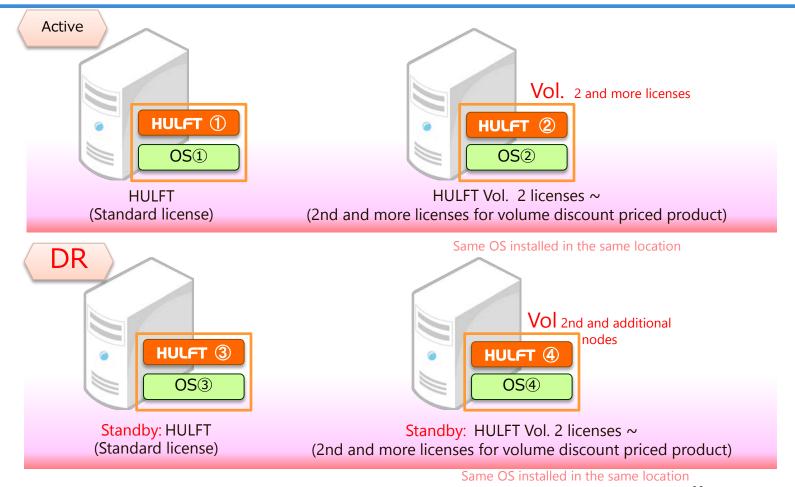
  Standby licenses can only be applied when the product used in the active environment is a volume discount priced product. (Case (2))



#### Case (2)

Standby licenses can be applied only when the product used in the active environment is a volume discount priced product.

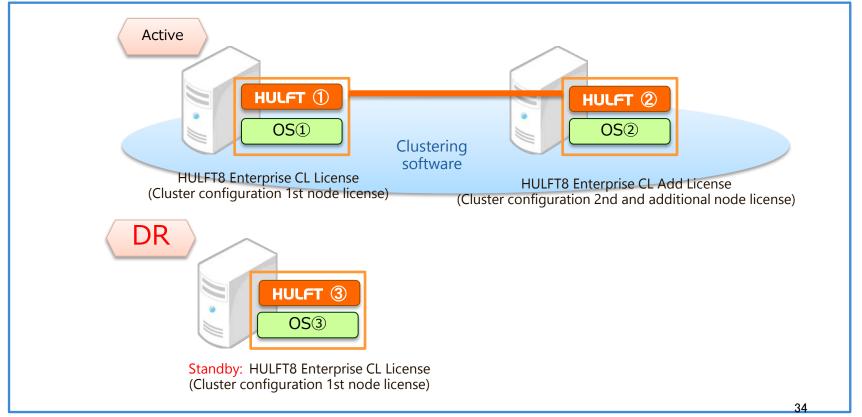
In the diagram below, "HULFT(2)" is a volume discount priced product, and the Standby license price for volume discounted price product will be applied to "HULFT (4)".





- Standby license application conditions
  - Can Standby licenses be applied when the active environment and standby environment differ?
- Standby licenses can be applied even when environment differs. The diagram below shows the licenses used in active environme
  - The diagram below shows the licenses used in active environment with a cluster configuration, and a standby does not have a cluster configuration.

However, this usage requires that the same HULFT products (including grade and option configurations) are used. "HULFT (3)" should be the same HULFT product as "HULFT (1)".



Q4

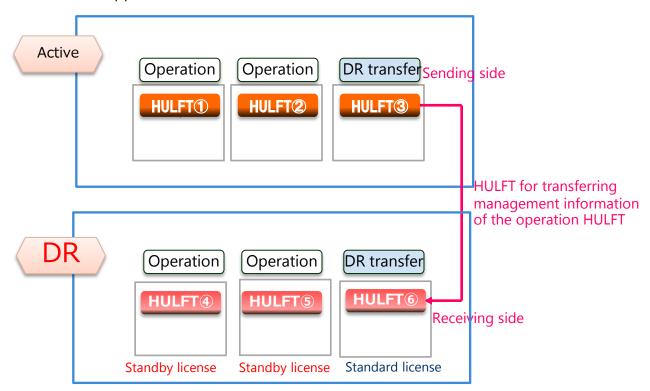
Standby license application conditions

In the DR site shown in the diagram below, updating the HULFT operation management information uses a separate HULFT.

Can a Standby license be applied for this HULFT for DR transfer?

A4

"Standby license" is a license which is applied to HULFT installed in standby environment used as substitutes for active operation. As HULFT (6) is not a substitute for HULFT (3), a Standby license cannot be applied. Instead, a Standard license will be applied.



Q5 Standby license application conditions

A support service contract should be purchased. Should **the start date of the support service contract** for the Standard license be the same as that for the standard license?

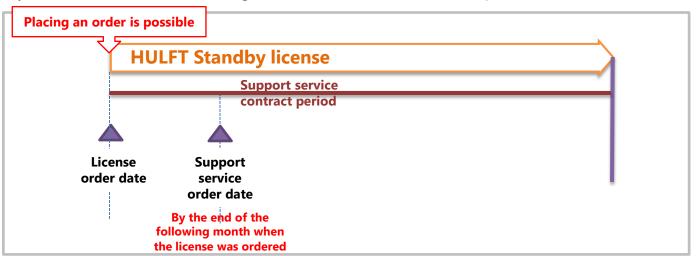
A5 Support start date does not need to be the same.

Also, the period of support service contract does not need to be the same. (5-year pack, 3- year pack, etc.) The level of support service contract, however, should be same. (Standard, 24h, etc.)

Q6 Standby license application conditions

The purchase a support service contract is a condition for purchasing a Standby license. Is it possible to **request the license alone in advance**?

A6 It is possible. However, to request that support service starts on the first day of the following month, please place an order by the end of the month following the month when the license was purchased.



Q7

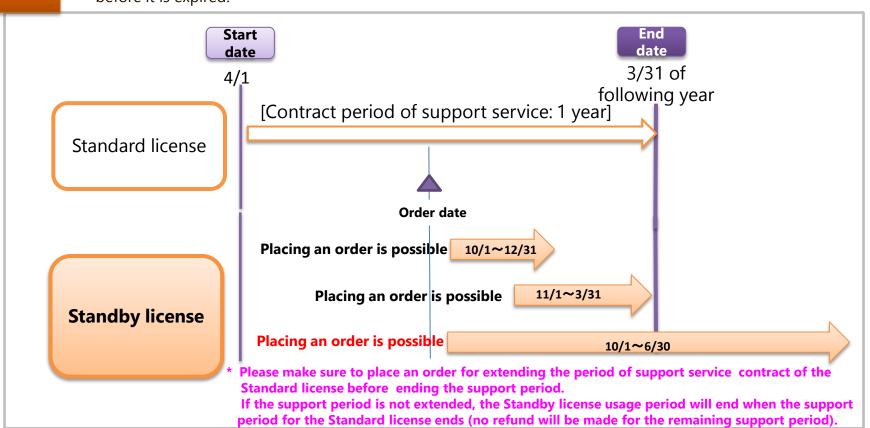
Standby license application conditions

To sign up a support service contract is a condition. Is it possible to purchase a Standby license even if the **contract period of the support service contract** for the standard license **is expired**?

It is possible.

A7

However, please make sure to place an order to extend the support service contract for the standard license contract before it is expired.





- Q8 Standby license application conditions
  - Should the revision be the same as that of the Standard license?
- A8 Different revisions is not a problem.
- Q9 Standby license application conditions
  - Should the options also be the same as that of the Standard license?
- The entire product configuration, including the options selected, should be the same.

Q 10 Standby license application conditions

Are there any limitations on number of products shipped? For example, can Standby licenses be used even if the number of Standby licenses exceeds the number of Standard licenses?

Number of Standby licenses can exceed the number of Standard licenses.

Number of Standby license can also be less than the number of Standard licenses.

- Q11 Is it possible to purchase a Standby license before purchasing a Standard license?
- A11 Standby license can be purchased after purchasing Standard license or at the same time of purchasing it.

- Can Standby licenses be applied to SIGNAlert?
  If so, how are "Operational" and "Not operational" defined?
- SIGNAlert Standby license is also offered.

  When the service is running, it is defined as "Operational." When the service is not running, it is defined as "Non-operational".

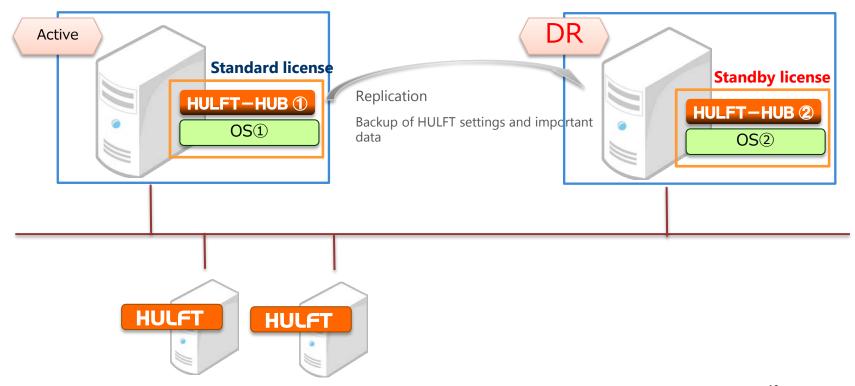
Q13

What are the application conditions for HULFT-HUB Standby license?

A13

For HULFT-HUB, a Standby license is used for the HULFT-HUB deployed in the standby environment which serves as a substitute for the production environment.

HULFT-HUB also offers a replication function which backs up HULFT settings and important data. Standby license can also be applied to HULFT-HUBs on DR sites which use the replication feature.



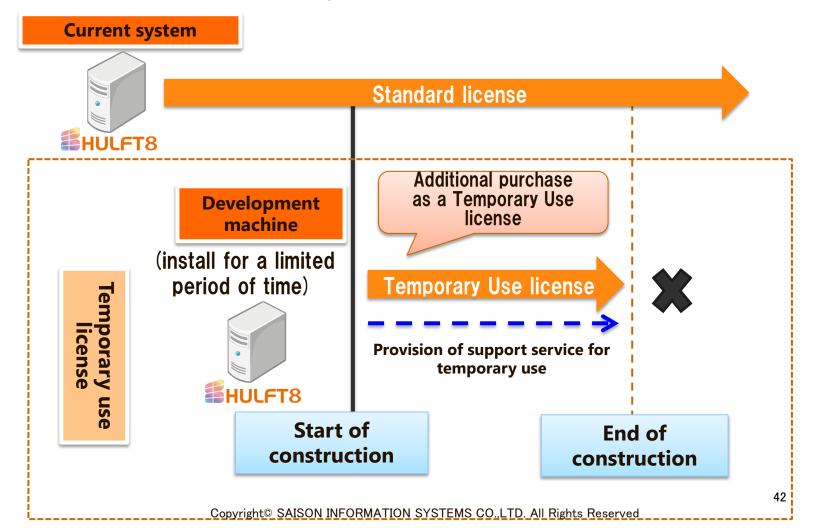
# 5. Temporary Use License



## 5-1 Temporary Use License

"Temporary use license" can be used when transferring files for a specific period of time, such as during development.

This license applies to HULFT Ver.8 only.



## 5-2 Temporary Use License Application Case and Price

"Temporary use license" application case

### [Target product]

**HULFT Ver.8 only** 

#### [Purchase unit]

License can be purchased in one month unit.

### [Application period]

The start date is fixed as the first day of the month. The end date is fixed as the last day of the month.

The period can be further extended by submitting an application once again.

### [Exclusion]

Standard license cannot be switched to temporary use license.

"Temporary use license" price

License Type	Usage Price
Temporary use license	Monthly usage fee x period of use (number of months)

<sup>\*</sup> Prorating is not possible for partial usage periods.

<sup>\*</sup> For monthly usage fees, please refer to "HULFT Series Price List."

<sup>\*</sup> Monthly usage fee includes license fee and support service fee.



Q1	For which products is Temporary use license available?
Q2	How is the start of usage defined?
Q3	What can or cannot be done before starting use a Temporary use license?
Q4	Start date - What is the usage period when the usage starts in the middle of a month?
Q5	Does a support service contract have to be purchased separately?
Q6	What is actually delivered?
Q7	Can the grade be changed during usage of the Temporary use license?
Q8	Is it possible to change a trial version license to a transition license?
Q9	Is it possible to change a Temporary use license to a Standard license?
Q10	Is it possible to change a Standard license to a Temporary use license?
Q11	When will the license fee be charged?
Q12	Can Temporary use license be used overseas?
Q13	Is there any usage period limit for the Temporary use license?
Q14	Updating the Temporary use license - Can there be a period of non-usage before extending the Temporary use license period?
Q15	Please let me know how to extend the Temporary use license period?

- Q 1 For which products is Temporary use license available?
- This license applies to HULFT8 only.
  It can be applied to both the HULFT8 Standby license and the HULFT8 Cluster license. It also applies to HULFT8 options.
- Q2 How is the start of usage defined?
- It is considered to be started when the HULFT service (daemon) is started. It is, therefore, possible to install before the start of usage period.

- Q3 What can or cannot be done before starting use a Temporary use license?
- A3 Can be done before the period:

Issue and install product key

Can only be done during the period:

HULFT service (daemon) startup and restart

- Q4 Start date
  - What is the usage period when the usage starts in the middle of a month?
- Please request to start usage from the first day of the month when the license is to be used.
- Q 5 Does a support service contract have to be purchased separately?
- No.
  The support fee is included in the monthly usage fee.
- Q6 What is actually delivered?
- As same as for Standard license, an ID notification is delivered.
- Q7 Can the grade be changed during usage of the Temporary use license?
- A7 No.

- Q8 Is it possible to change a trial version to a Transition license?
- Yes.

  During the trial version usage period, the product key can be replaced with the Transition license product key, and the HULFT product can continuously be used.
- Q9 Is it possible to change a Temporary use license to a Standard license?
- Yes. The product key can be replaced with the Standard license product key, and the HULFT product can continuously be used.
  - The license usage fee will be the same as for a new purchase.
- Q 10 Is it possible to change a Standard license to a Temporary use license?
- A10 It is not possible to change a Standard license to a Temporary use license.

- Q11 When will license billing take place?
  - The entire amount is billed when the license is purchased. There is no monthly billing option.

- Q 12 Can Temporary use license be used overseas?
- Yes, they can be used overseas. The procedures involved are the same as those for Standard license.

- Q13 What is the maximum usage period for the Temporary use license?
- There is no upper limit on the usage period. However, orders cannot be placed for usage period which ends after the end of our support period.

- Q 14 Updating the Temporary use license
  - Can there be a period of non-usage before extending the Temporary use license period?
- If there is a period of non-usage, instead of extending the license, please purchase a new Temporary use license.
- Q15 How can we extend the Temporary use license period?
- Use the application form to submit a license period extension request. An extension product key will be issued. Entering the product key on the HULFT screen will extend the license period without the need to restart the HULFT.

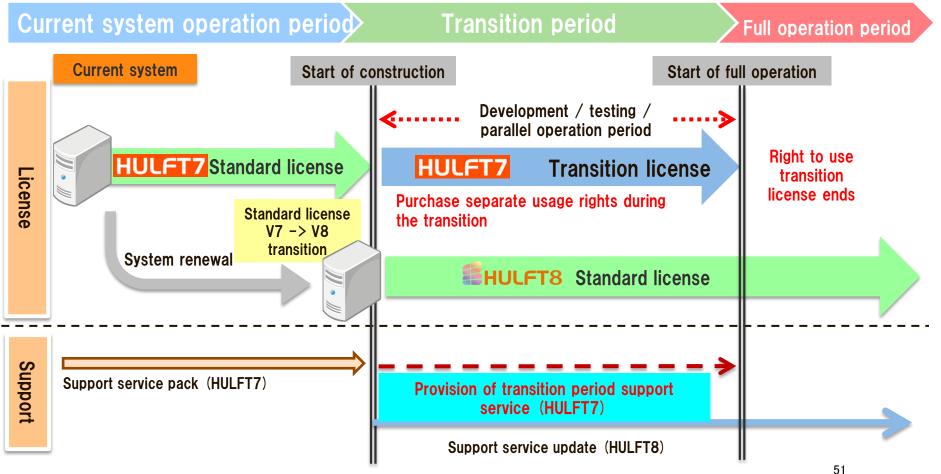
# 6. Transition License



## 6-1 Transition License

There is "Transition license" which can be used to double the number of HULFT Series licenses currently owned for a specific period of time.

This license applies to all products (\* with some exceptions) which are currently being sold.



## 6-2 Transition License Application Case and Price

"Transition license" application case

### [Target products]

All HULFT Series products for which support services are being provided.

### [Purchase unit]

License can be purchased in one month unit.

### [Application period]

The start date is fixed as the first day of the month. The end date is fixed as the last day of the month.

This license is free for the period of two months or less.

The period can be further extended by submitting an additional application.

### [Application conditions]

Support service agreement must be signed up for the licensed product which is being migrated.

"Transition license" price

License Type	Usage Price
Transition license	Monthly usage fee x period of use (number of months)

- \* Calculation on a daily pro-rate basis is not applied.
- \* For monthly usage fee, please refer to "HULFT Series Price List."
- \* Monthly usage fee includes license fee and support service fee.

## 6-3 Period Guideline and Free Period

### Period guideline

For the license application period, "Start date: fixed as first day of the month, End date: fixed as last day of the month".

Start date: When starting usage in the middle of the month, the start date is the <u>first day of the</u> month.

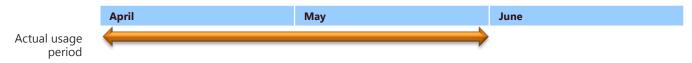
End date: When ending usage in the middle the month, the end date is the <u>last day of the month</u>.

Example.: Customers wishing to use a license from April 15 to July 1 would have an application period of April 1 to July 31 (4 months).

### Free period

The license is free for period of two months or less. No application is required.

Example: Customers wishing to use a license from April 1 to May 31 can use it **free of charge**.



Example: Customers wishing to use a license from April 10 to June 9 would have a three month license application period (April 1 to June 30), so they would need to **purchase** a 3-month Transition license.





Q1	For which products is Transition license available?
Q2	Can Transition license be used overseas?
Q3	When will license billing take place?
Q4	What is actually delivered?
Q5	Does support have to be purchased separately?
Q6	Do the types of support need to be matched?
Q7	In order to purchase a Transition license, support service contract for the product license before the transition must be purchased. Is it possible to purchase a transition license of which period will exceed <b>the period of support service contract</b> of product license when ordering transition license before the transition?

- Q1 For which products does Transition license apply?
  - A1 They apply to all HULFT series products currently being sold.

- Q2 Can Transition license be used overseas?
- Yes, they can be used overseas. The procedures involved are the same as those for Standard license.

- Q3 When will license billing take place?
- The entire amount is billed when the license is purchased. There is no monthly billing option.

- Q4 What is actually delivered?
  - As same as for Standard license, an ID notification is delivered.

- Q5 Does a support service contract for Transition license have to be purchased separately?
- No.
  The support fee is included in the monthly usage fee.
- Does the type of support used for the license before transition need to be matched with the type of support used after transition?
- The support service (5-year pack or 3-year pack) may differ, but the support service level (standard or 24h) should be the same.

- In order to use a Transition license, a support service contract for the product license before the transition should be purchased. Is it possible to purchase a Transition license even if the **contract period of the support service contract** for the product license before the transition **is expired**?
- Yes.
  However, an order must be placed to extend the license before the end of the contract period.

