ITA_System Configuration/ Environment Construction Guide

DSC-driver

— *Version 1.3* —

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1　Introduction

This document explains the system configuration and environment construction for operating DSC as an optional function (referred to as DSC driver) in ITA.

To use the ITA DSC driver, it is assumed that the basic ITA functions have been constructed. Please refer to "System Configuration/Environment Construction Guide - Basics" for constructing ITA basic function.

2 Function

DSC driver provides the following function

Table 1 Function name

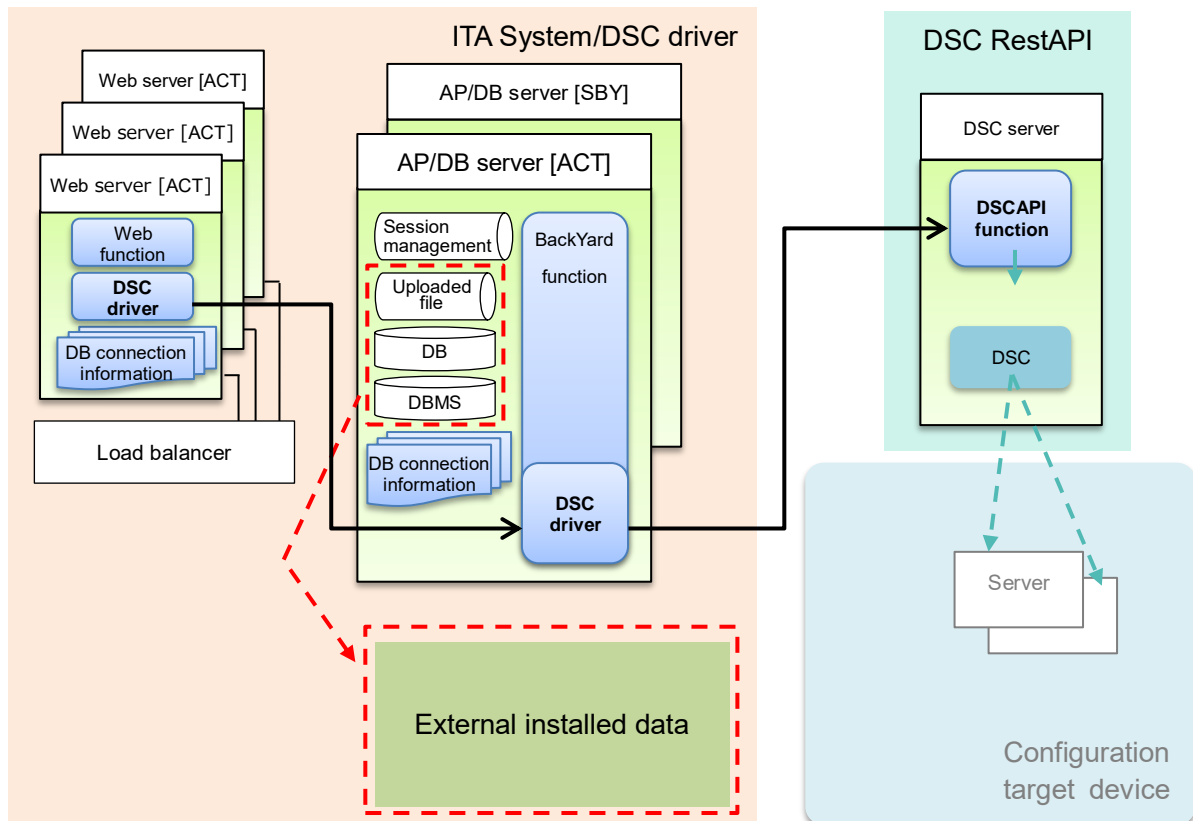| No	Function name	Use	WEB Content	BackYard Content
1	DSC driver	Manage the configuration of servers, storage, network devices from ITA.	○	○
2	DSC RestAPI	The contents that provides RestAPI for external DSC operation.	○	–

3 System configuration

The system configuration of DSC driver is same as the ITA system.

DSC RestAPI is required to be configured in a dedicated DSC server separated from the DSC driver. (Consolidating the construction into one server is also possible)

This figure shows a configuration in which DSC RestAPI server is added to the balanced HA type, which is the recommended configuration for the ITA system.

※ The figure here is a omitted version. Please refer to "System Configuration/Environment Construction Guide - Basics" for details.

4 System requirement

Since DSC driver is based on system requirements of ITA system, please refer to "System Configuration/Environment Construction Guide - Basics".

●BackYard

Table 4-1 Linux command required for DSC BackYard

Command	Notes
zip	

Table 4-2 External module required for DSC BackYard

External module	Version	Notes
—		

●DSC RestAPI

Table 4-3 DSC RestAPI system requirement

Package	Version	Notes
OS	Server 2012 R2	・WMF 5.1 for x64
WindowsServer 2012 R2 UPDATE	KB3000850	Update of PowerShell, etc. is included
PHP	php-7.0.17-nts-Win32 -VC14-x64.zip	Non Thread Safe type
OpenSSL for Win64	Win64OpenSSL_Light -1_0_2k.exe	For authentication when starting REST-API from ITA server
Visual Studio2015	visual c++ redistributable package vc_redist.x64.exe	To avoid system error when running PHP

5 Prepare shared directory between DSC driver and DSC RestAPI

Please prepare a shared directory which both DSC driver and DSC RestAPI can refer to.
After installing DSC driver and DSC RestAPI, it is required to register the shared directory to ITA system. Please refer to "Interface information" in "User instruction manual - DSC-driver" then perform the registration.