



ITA_System Configuration / Environment Construction Guide

Terraform-driver

—Version 1.10 —

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※「Exastro IT Automation 」 is written as「ITA」in this document.

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Introduction

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

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

1 Function

Terraform driver provides the following functions.

Table 1-1-1. Function name

No	Function name	User	WEB Content	BackYard Content
1	Terraform driver	Generate an execution plan and execute the construction bases on the coded infrastructure configuration in ITA via Terraform. In addition, it is possible manage coded access policies based on Policy as Code.	⊙	⊙

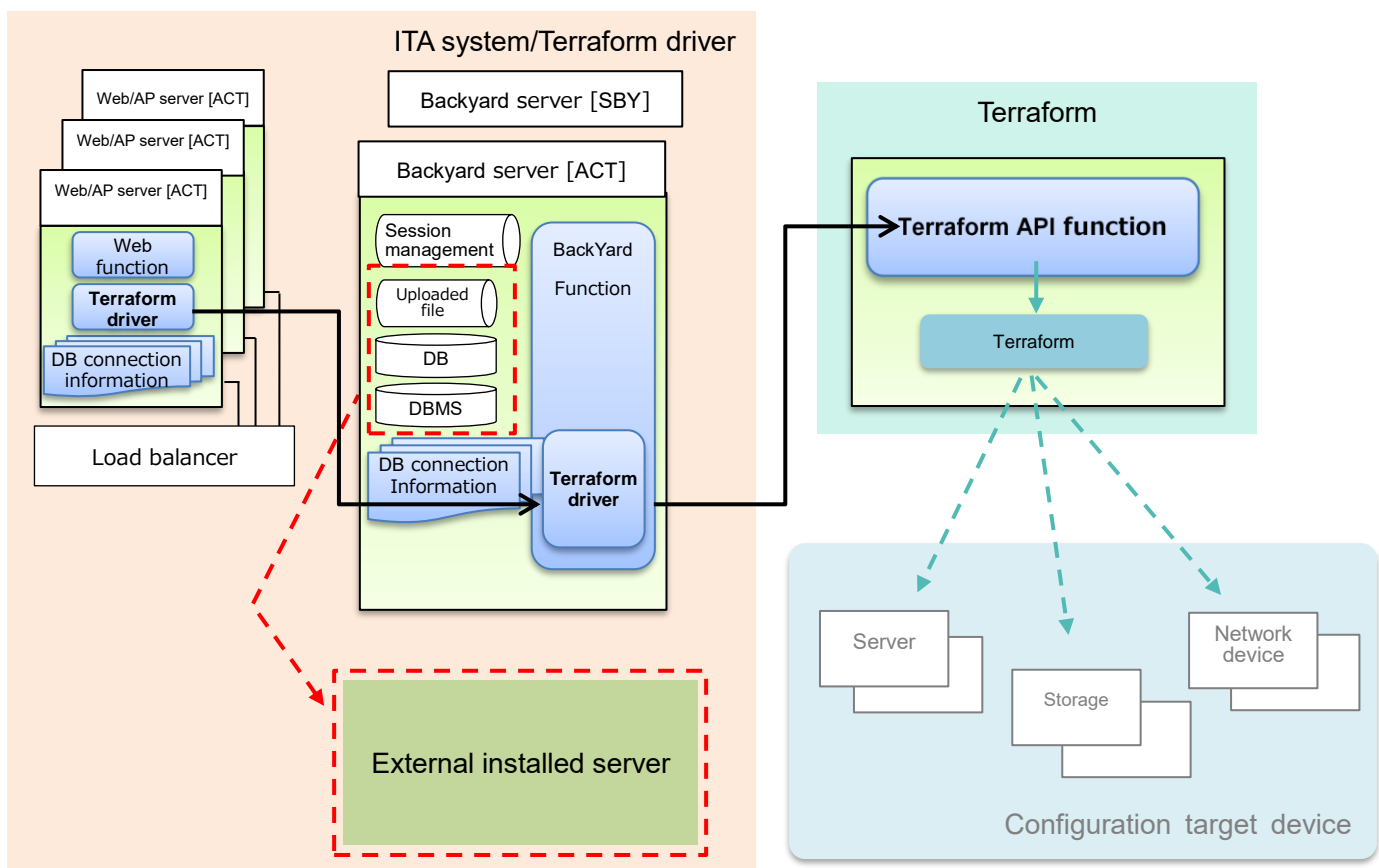
2 System configuration

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

For the Terraform driver, there are two configurations. One that uses Terraform cloud or one where there Terraform has its own server separately from ITA.

This figure shows a configuration in which a Terraform server is added to the balanced HA type, 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.



3 System requirements

Since Terraform driver (ITA side) is based on system requirements of ITA system, please refer to "System Configuration/Environment Construction Guide - Basics". This section describes the requirements for BackYard.

●Version

Table 3-1. Terraform Enterprise system requirements

Package	Version	Remarks
Terraform Enterprise	202110-1 (576)以上	

Table 3-2. Terraform Cloud system requirements

Package	Version	注意事項
Terraform Cloud	-	Terraform Cloud must be running the latest version.

●BackYard

Table 3-3. Linux commands required for Terraform backyard

Command	Note
tar	
zip	

Python Library

Table 3-3. Terraform driver system requirements

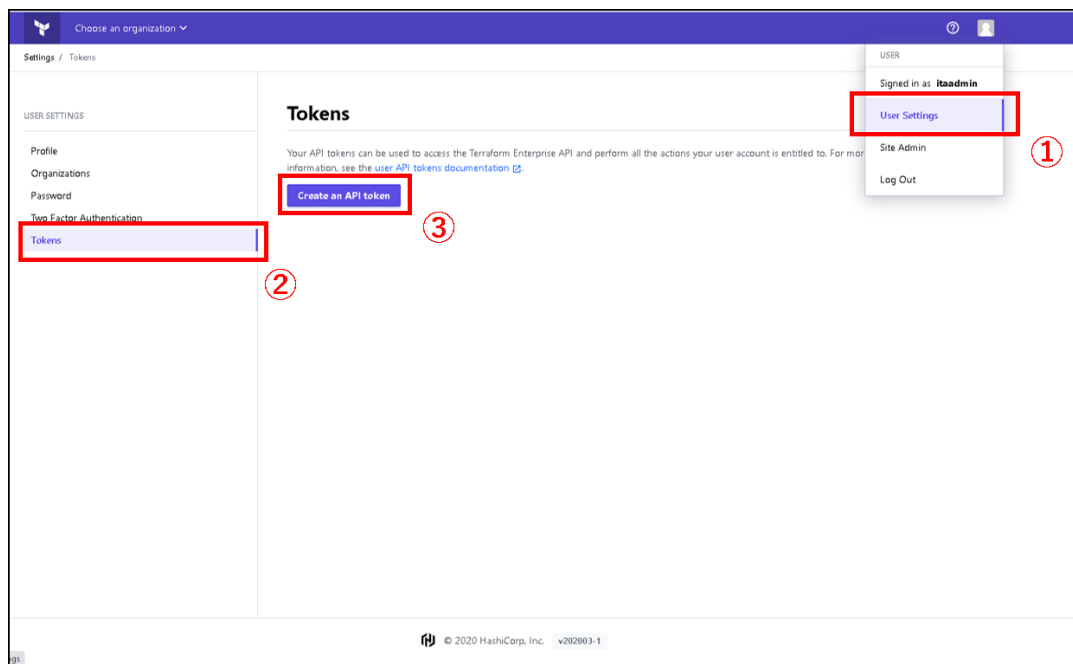
Name	Requirement	注意事項
python-hcl2	Python3.6 or later	Needs WebAP Server and BackYard Server

4 Terraform initial setting

4.1 Prepare required resource

In order to link Terraform from Terraform driver, you need to create an user token.

Log in to Terraform from a browser, then click [User Setting] → [Tokens] → [Create an API token] to create API token.



The created user token should be set to “Interface information” of Terraform console in ITA. Please refer to “User Instruction manual Terraform-driver” for details.