

SAP System Clones: Compress Days into Hours

You almost certainly know this request very well:

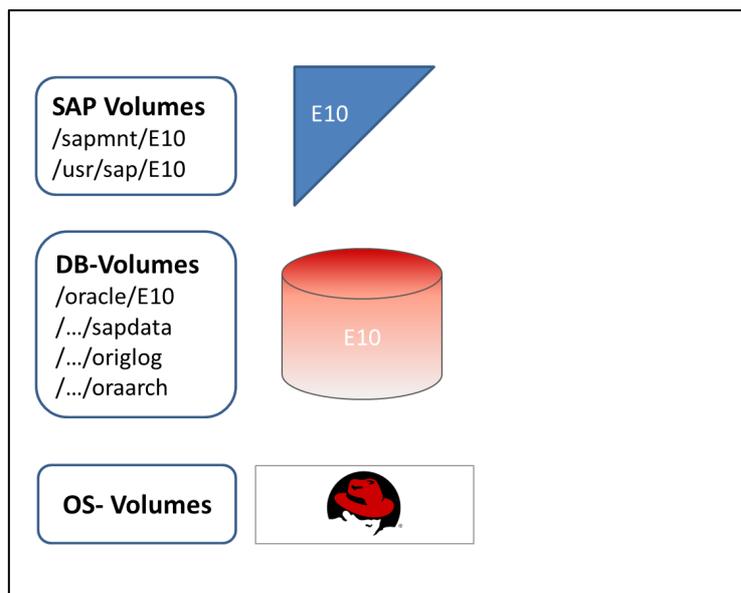
„We need an SAP test system, immediately! “

To create a test system in the **traditional way** normally can take up to 5 or 6 **days**:

- Install and patch both the database and SAP
- Conduct a system copy
- Carry out the post-processing procedures

In the following we show how you can reduce this time-consuming and costly procedure to **2-3 hours** of system runtime and a matter of **minutes** in personnel work time (for one person) when using **BlueClone!**

Initial situation: Select the SAP System and the file systems



BlueClone can use any available SAP system. Your project team can choose the system to copy based on its needs, not on “triage” due to time and resource constraints – with BlueClone you can clone any SAP System, anytime, in a matter of hours.

For the SAP administrator, the only preparation necessary is to identify the corresponding file systems of the application (i.e. the database and the SAP system).

The following example describes a possible application scenario in which the (already installed) available operating system houses two independently operating SAP systems after the cloning.

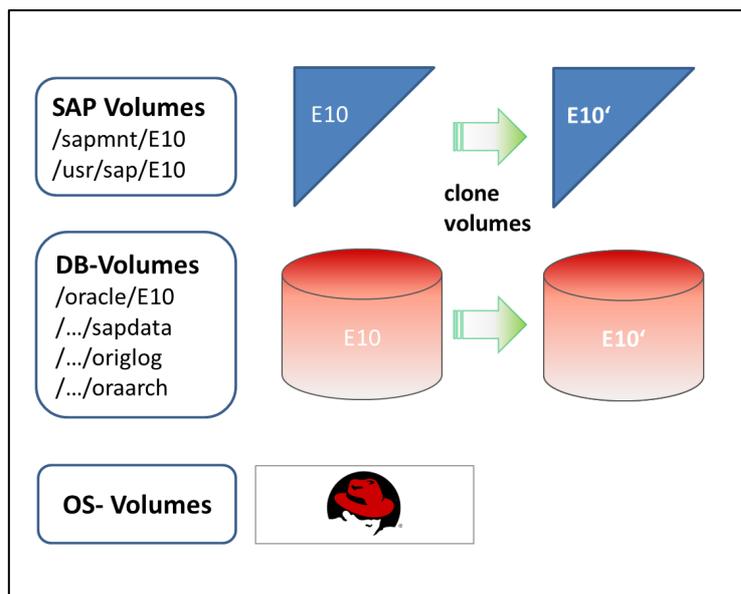
The operating system may be cloned as well of course. In this case the administrator has (in addition to new hardware) to provide a new hostname and a new IP address for the new system within the network. And that’s all.

BlueClone supports both virtual and physical environments.

YOUR KEY BENEFITS

- Cloning within minutes:
save more that 90% time
 - no more installing,
patching and copying for days
- create test and project systems
ad-hoc
- create upgrade test systems
ad-hoc
- always up-to-date data
- settings in the clone
are adapted

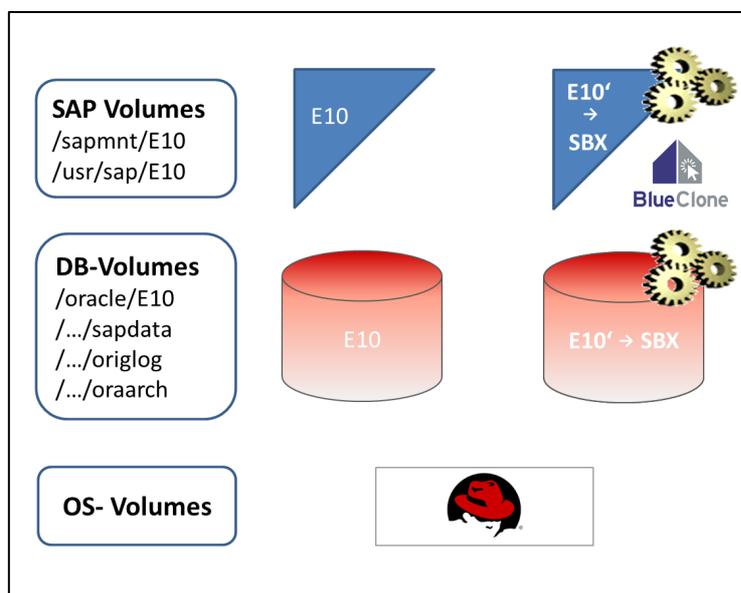
Step 1: Create the clone



In the **first step** the administrator physically copies („clones“) the selected SAP system and the underlying database, (along with the operating system if required) in full by using the current tools of the storage provider. Thus a 1:1 clone (E10') of the selected system is generated.

To create the clone this way takes normally only a few minutes of the administrator's time, and a matter of minutes or hours for the system, depending on the tools of the storage provider.

Step 2: BlueClone changes the identity of the new system



With the second step **BlueClone** changes the 1:1 clone into a full-fledged and independent system with an SAP identity of its own. E10' now becomes the new SAP system SBX.

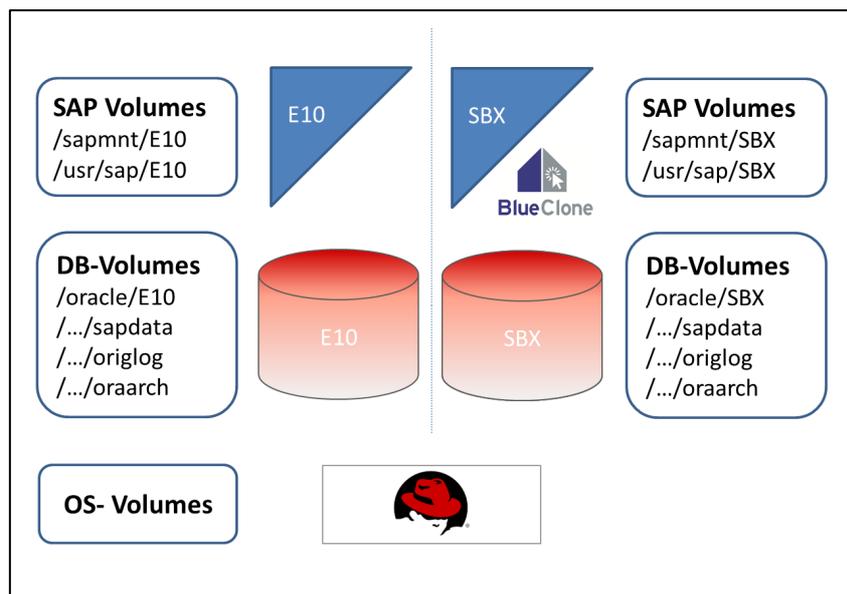
This step also takes only a few minutes, for both the administrator and the system.

Both before and during the cloning process, **BlueClone** carries out numerous checks, rather than just blindly accepting the result of the physical clone. This further enhances the quality of the result.

The transformation of the new system's identity includes among others the following operations:

- ✓ Create the network services
- ✓ Create user and OS profiles
- ✓ Adapt Oracle binaries and the repositories
- ✓ Adapt the initialization files (init.ora, listener.ora, tnsnames.ora)
- ✓ Rename the database (Create a controlfile)
- ✓ Adapt the file owner, the links and the set-UID-Bits
- ✓ Adapt the SAP directories and profiles
- ✓ Carry out the post processing (Jobs, RFC-connections)

Outcome: A complete SAP clone



In the ideal case the whole process takes only ca. 1 - 2 hours – compared to the traditional approach, which even under the best of circumstances requires at least three complete working days to create an SAP clone.

By copying the operating system, the database and the SAP system using this simple process, the new clone is guaranteed to have the correct current databases, with the correct corresponding patches at every level, automatically.

BlueClone in comparison with the traditional procedure:

Time		Traditional procedure	Time		Using BlueClone
Mo.	09:00	Prepare the operating system	Mo.	09:00	Start the physical copy of the selected system, using current tools of the storage provider. Let it run while doing other business
			Mo.	11:00	
			Mo.	11:45	Check the new system, hand it over to the project team and go to lunch.
Mo.	16:00	Prepare the file system	Mo	13:00	System available for project team
Di.	10:00	Install and patch the database			
	13:00	Install and patch the SAP system			
Mi.	09:00	Start the SAP system copy			
Do.	09:00	Carry out the post-processing work			
Fr.	09:00	Check and handover the new system			



Availability

BlueClone is currently available for Linux/Unix and Oracle in conjunction with SAP ABAP-Stack.

Additional information



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