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HPE Superdome Flex 280 for SAP HANA 및 HPE Serviceguard 소개

제남희 부장 / 한국HPE

October, 2020



HPE Superdome Flex 280 for SAP HANA

SAP HANA 모델

<https://www.sap.com/dmc/exp/2014-09-02-hana-hardware/enEN/appliances.html>

Narrow your Search

- Certification Status
- Vendor
- CPU Architecture
 - Intel Cooper Lake SP
 - Intel Cascade Lake SP
 - Intel Skylake SP
 - Intel Broadwell EP
 - Intel Broadwell EX E7
 - Intel Haswell EP
 - Intel Haswell EX E7
 - Intel Ivy Bridge EP
 - Intel Ivy Bridge EX E7
 - Intel Nehalem EX E7
 - Intel Sandy Bridge EP
 - Intel Westmere EP
 - Intel Westmere EX E7
- Memory

Search Results

as of 2020-07-31

Appliance configurations for scale-up DM/BWoH/BW4H can also be used for scale-up SoH/S4H except there are restrictions outlined for the particular configuration.
For further information see also [Home](#) -> tab: Details.

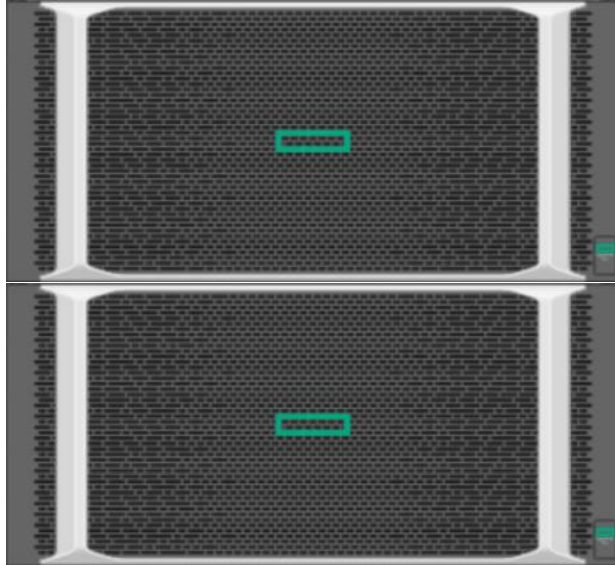
8 appliance models found

Intel Cooper Lake SP, certified
[clear selection](#)

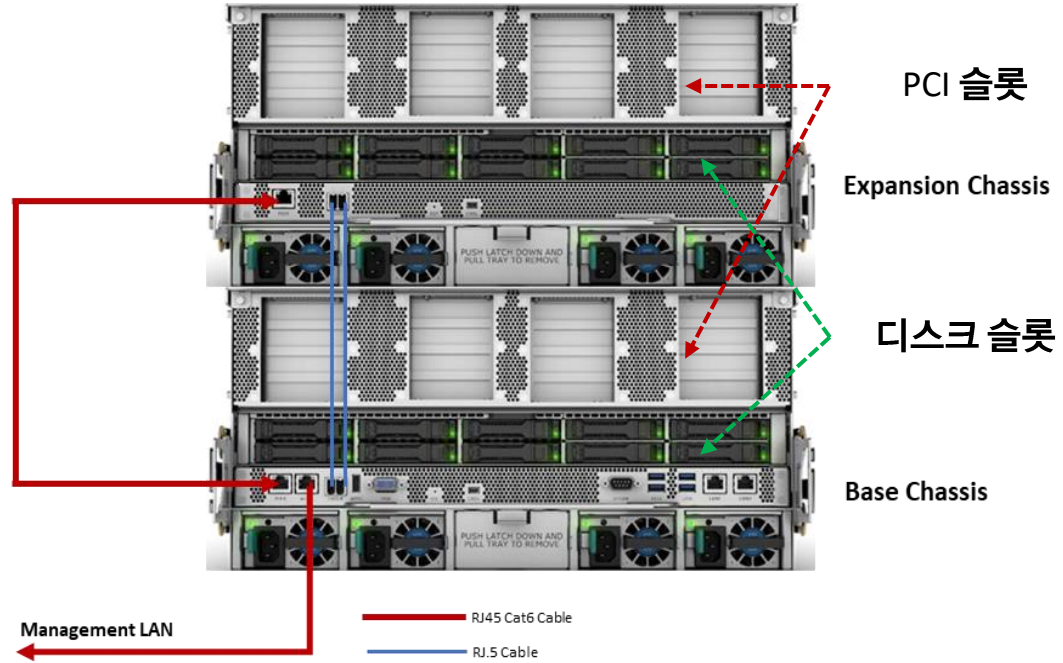
[Export as Pdf](#) [Compare](#)

Vendor	Model	CPUs min.	CPU Architecture	Appliance Type	Memory	
Hewlett Packard Enterprise	Superdome Flex 280	4	Intel Cooper Lake SP	Scale-up: BWoH/BW4H...	1.5 TiB	✓
				3 TiB	✓	
				Scale-up: SoH/S4H	4.5 TiB	✓
				6 TiB	✓	
		Scale-up: BWoH/BW4H...		3 TiB	✓	
		6 TiB		✓		
		Scale-up: SoH/S4H		9 TiB	✓	
		12 TiB		✓		

SAP HANA 모델



SD Flex 280 정면



SD Flex 280 후면

SAP HANA 모델



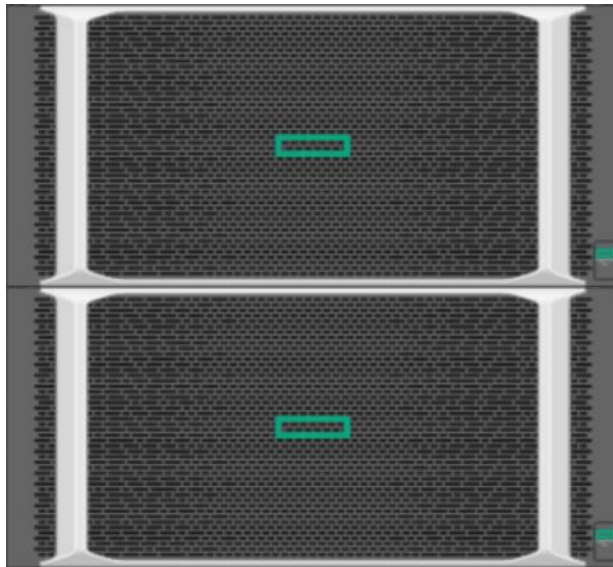
		1.5 TB						
		Disks	Array	LD	VG	lvol	Size GiB	RAID
4S	Base Chassis	3	Array-A	LD1	vgHANA	lv-data	4608	5
						lv-log	1536	
						lv-shared	1536	
						lv-ursap	64	

		3.0 TB						
		Disks	Array	LD	VG	lvol	Size GiB	RAID
4S	Base Chassis	4	Array-A	LD1	vgHANA	lv-data	9216	5
						lv-log	1536	
						lv-shared	3072	
						lv-ursap	64	

		4.5 TB						
		Disks	Array	LD	VG	lvol	Size GiB	RAID
4S	Base Chassis	5	Array-A	LD1	vgHANA	lv-data	13824	5
						lv-log	1536	
						lv-shared	4608	
						lv-ursap	64	

		6.0 TB						
		Disks	Array	LD	VG	lvol	Size GiB	RAID
4S	Base Chassis	6	Array-A	LD1	vgHANA	lv-data	18432	5
						lv-log	1536	
						lv-shared	6144	
						lv-ursap	64	

SAP HANA 모델




		3.0 TB							
		Disks	Array	LD	/dev/	VG	lvol	Size GiB	RAID
8S	Exp. Chassis	3	Array-A	LD1	sdb3	vgHANA	lv-data	9216	5
	Base Chassis	3	Array-A	LD1	sda3		lv-log	1536	
							lv-shared	3072	
							lv-ursap	64	

		6.0 TB							
		Disks	Array	LD	/dev/	VG	lvol	Size GiB	RAID
8S	Exp. Chassis	4	Array-A	LD1	sdb3	vgHANA	lv-data	18432	5
	Base Chassis	4	Array-A	LD1	sda3		lv-log	1536	
							lv-shared	6144	
							lv-ursap	64	

		9.0 TB							
		Disks	Array	LD	/dev/	VG	lvol	Size GiB	RAID
8S	Exp. Chassis	5	Array-A	LD1	sdb3	vgHANA	lv-data	27648	5
	Base Chassis	5	Array-A	LD1	sda3		lv-log	1536	
							lv-shared	9216	
							lv-ursap	64	

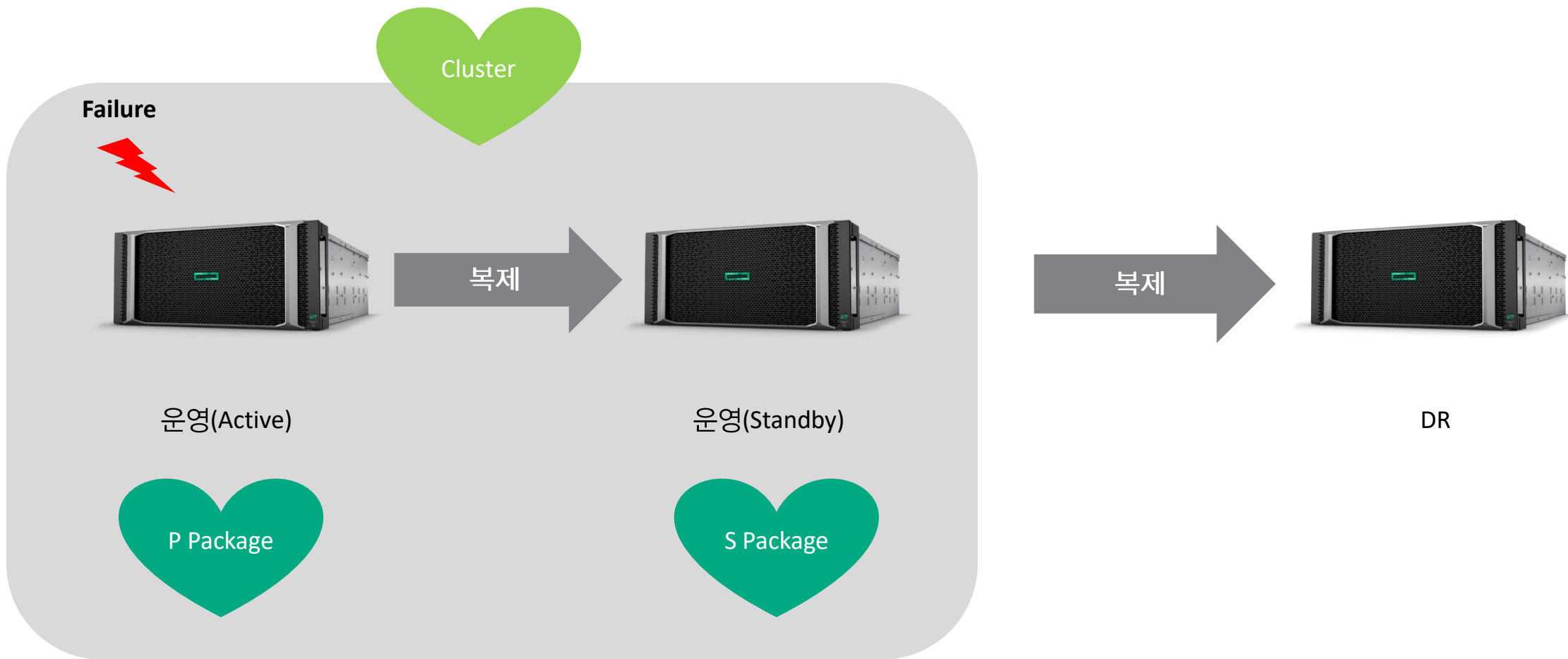
		12.0 TB							
		Disks	Array	LD	/dev/	VG	lvol	Size GiB	RAID
8S	Exp. Chassis	6	Array-A	LD1	sdb3	vgHANA	lv-data	36864	5
	Base Chassis	6	Array-A	LD1	sda3		lv-log	1536	
							lv-shared	12288	
							lv-ursap	64	



HPE Serviceguard & SAP HANA HA&DR

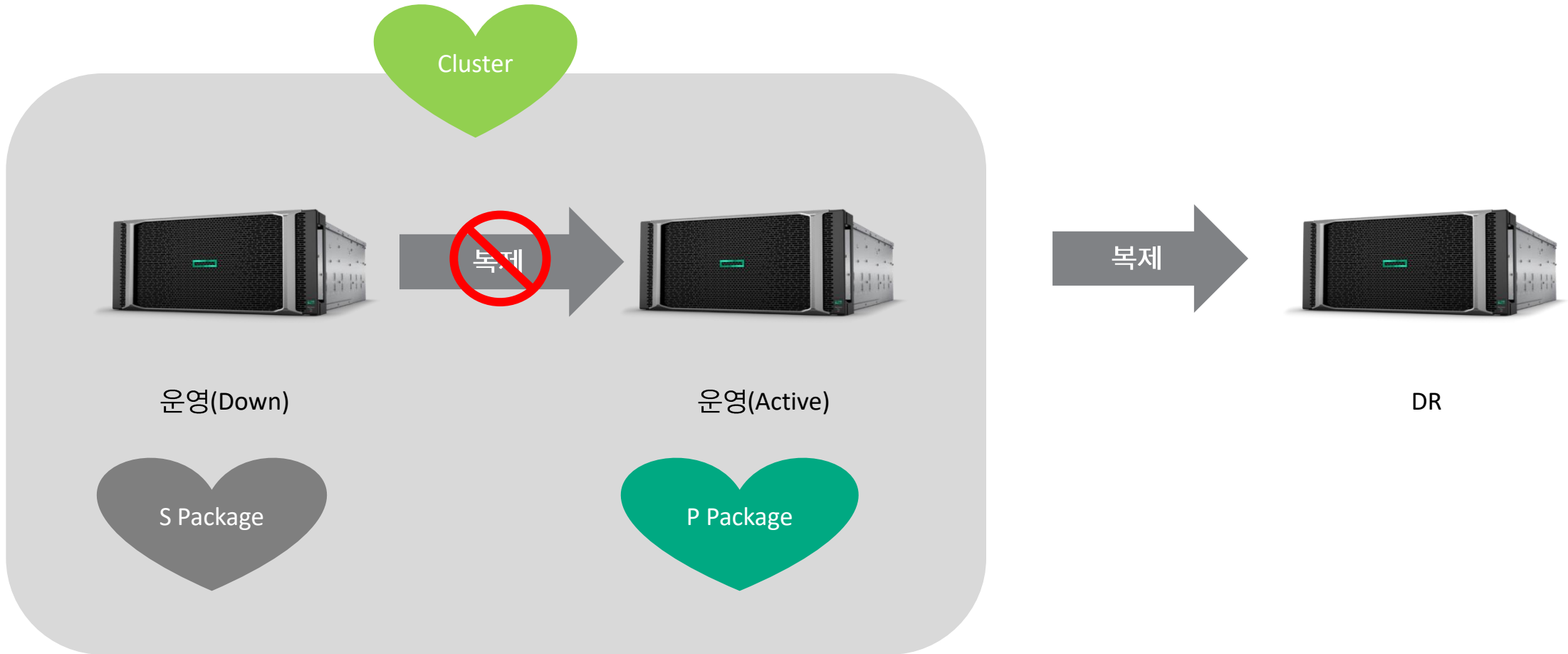
기존 SAP HANA HA/DR 구축 방식

기존의 SAP HANA DR 상황에서 장애 대응 방식



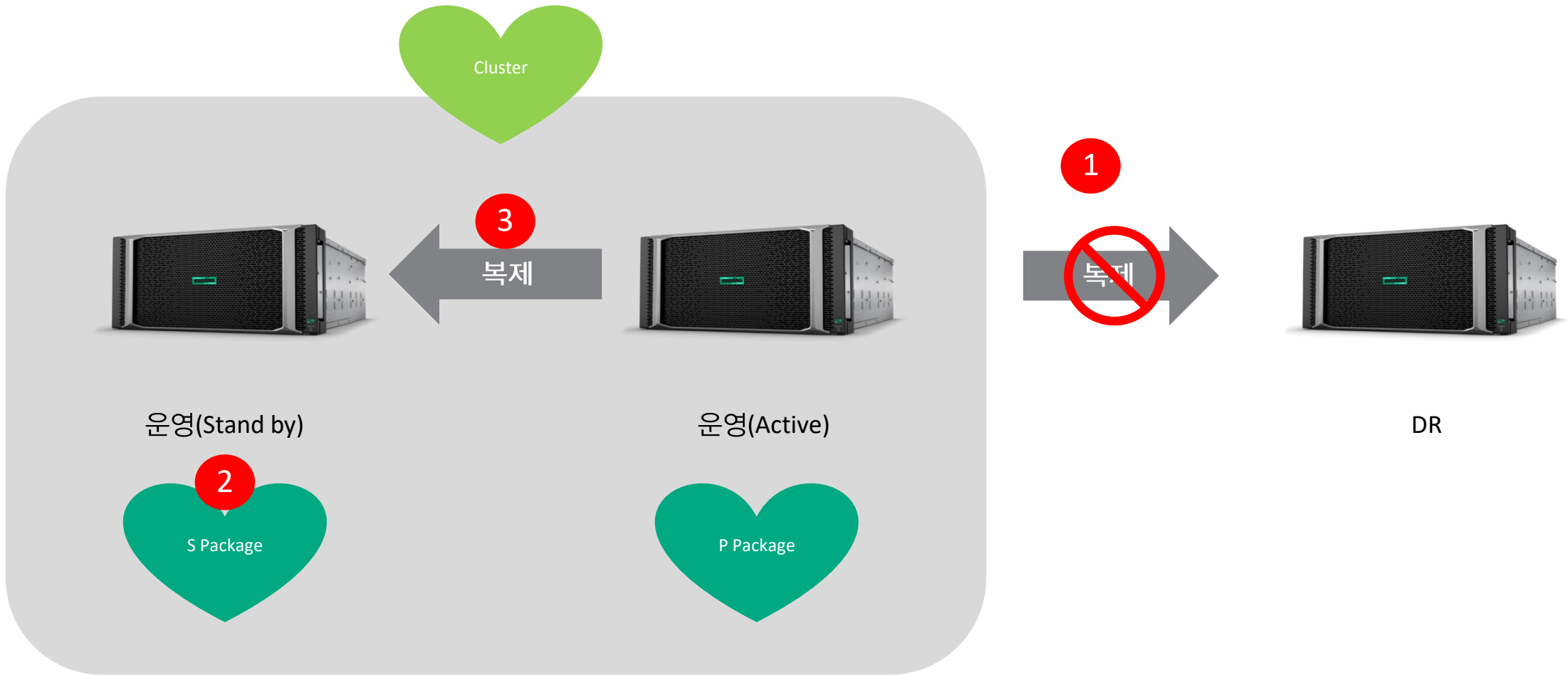
기존 SAP HANA HA/DR 구축 방식

기존의 SAP HANA DR 상황에서 장애 대응 방식



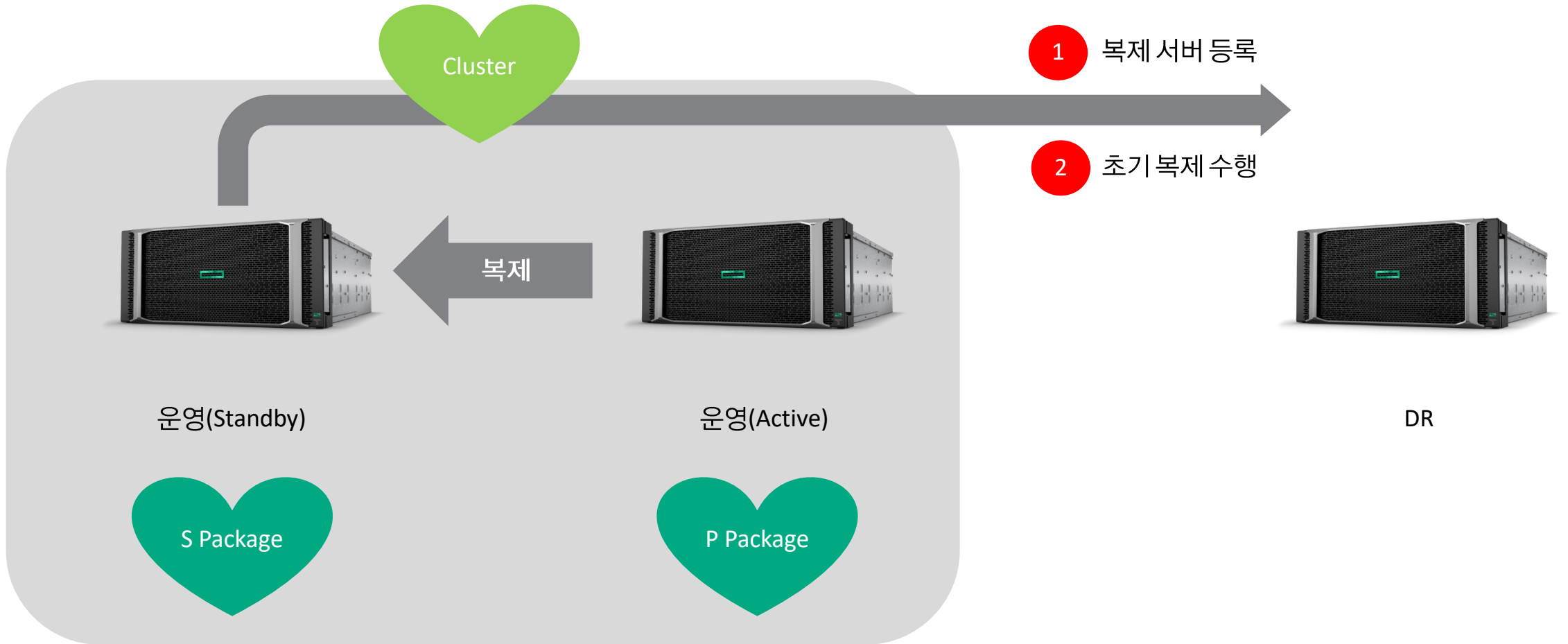
기존 SAP HANA HA/DR 구축 방식

1차 장애가 발생한 이후 운영(Stand by)시스템을 복구하는 경우 DR 시스템이 복제가 중단됩니다.



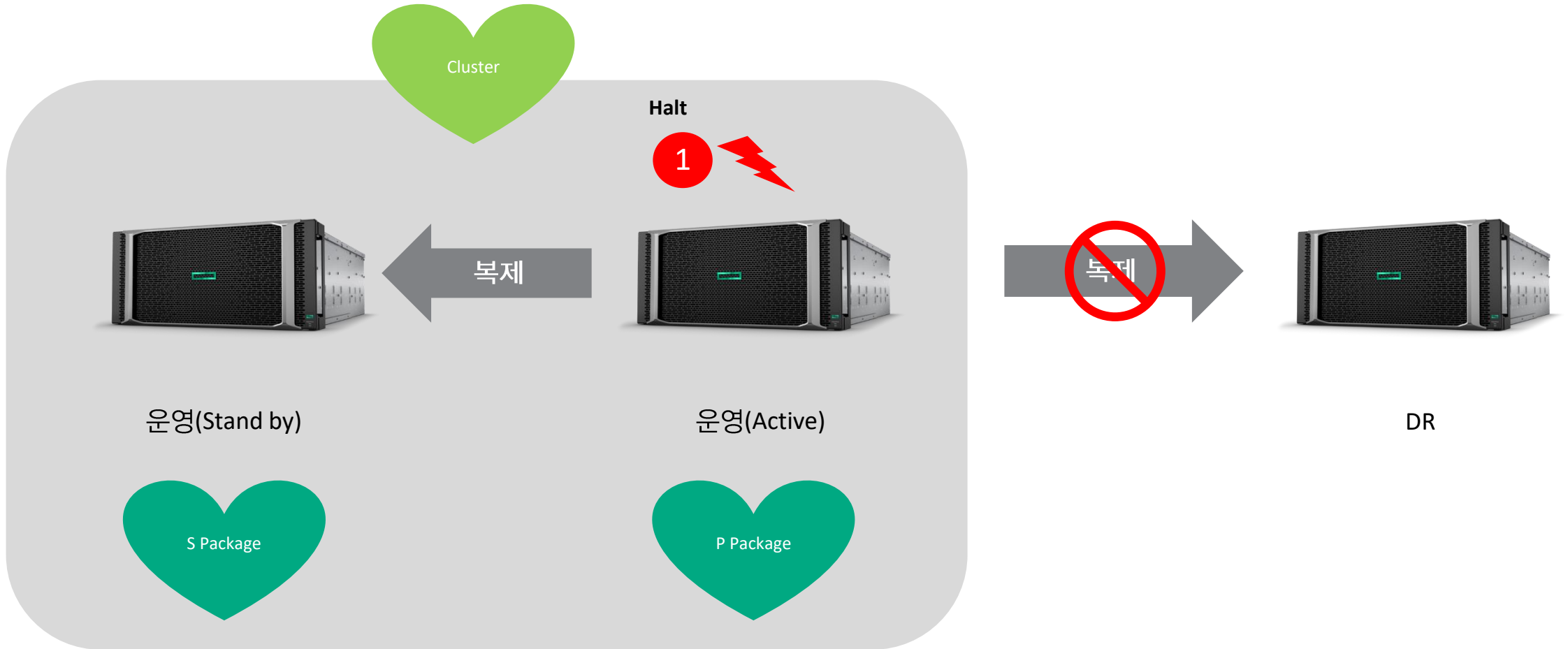
기존 SAP HANA HA/DR 구축 방식

DR시스템을 운영시스템과 동기화 시키기 위해 운영(Stand by)시스템에서 DR시스템으로 복제를 다시 시작해야 합니다.



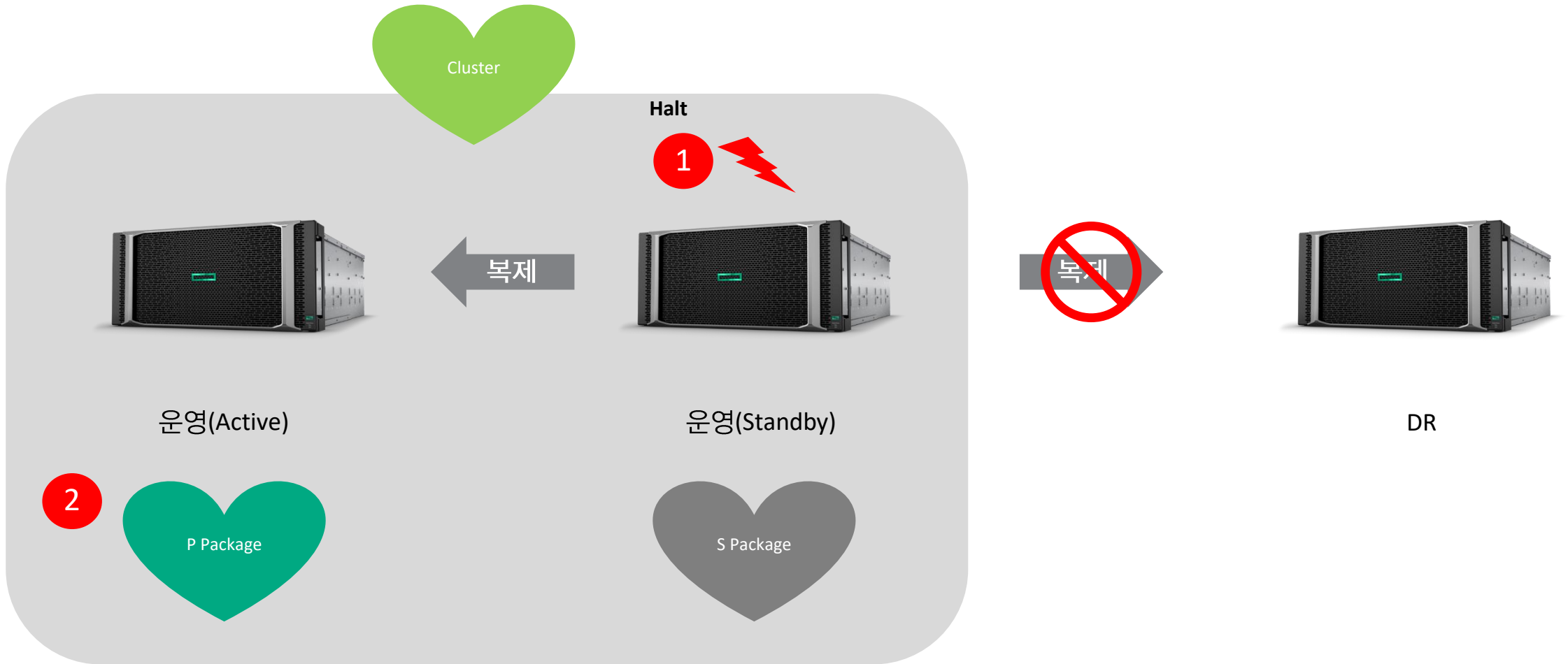
기존 SAP HANA HA/DR 구축 방식

DR시스템을 운영시스템과 동기화 시키기 위해 운영시스템을 원래 시스템으로 복원합니다.



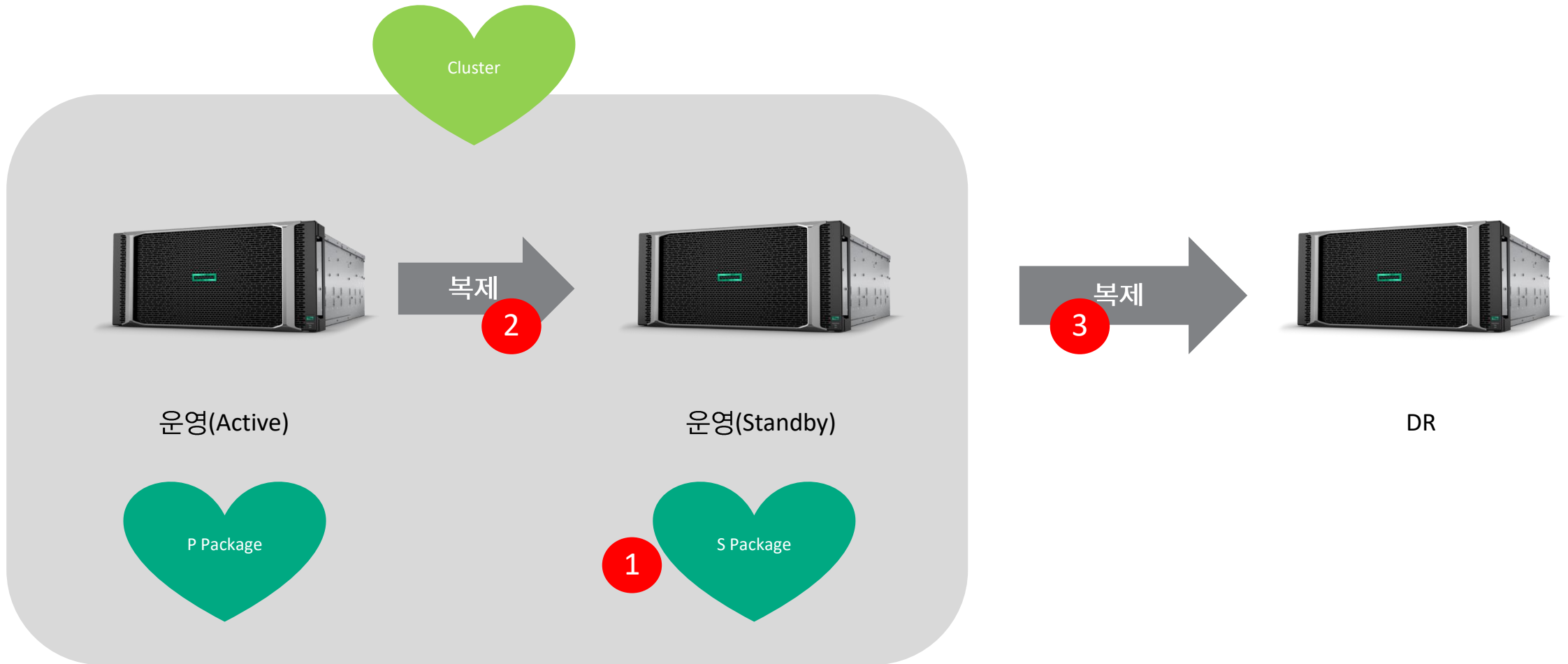
기존 SAP HANA HA/DR 구축 방식

DR시스템을 운영시스템과 동기화 시키기 위해 운영시스템을 원래 시스템으로 복원합니다.



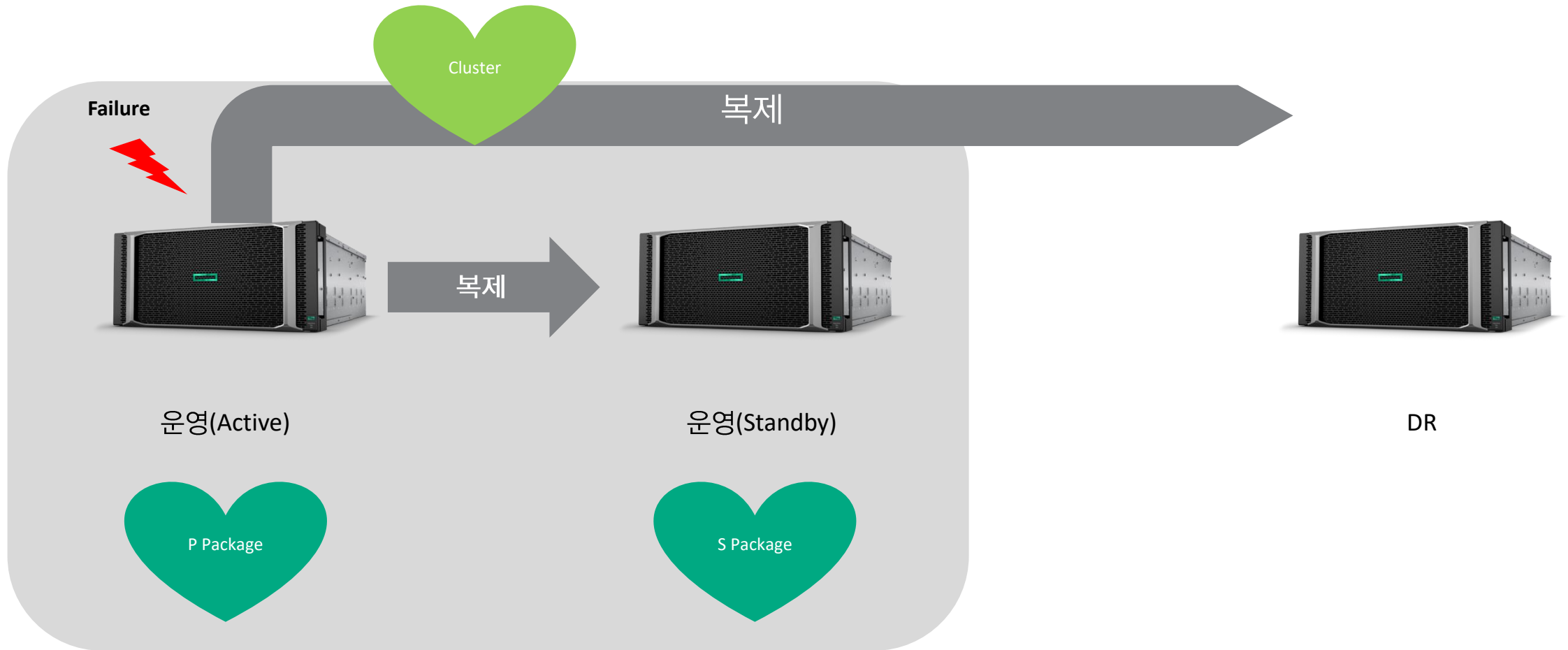
기존 SAP HANA HA/DR 구축 방식

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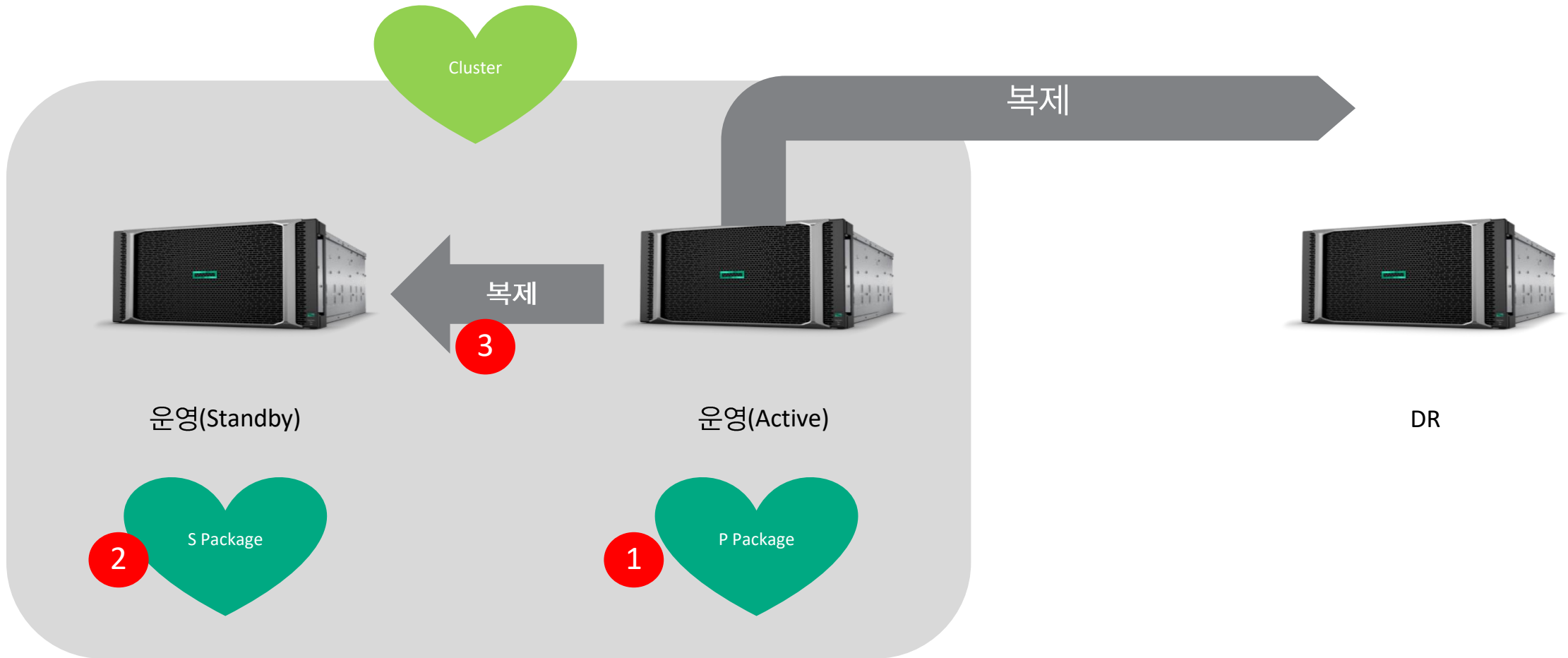
신규 SAP HANA HA/DR 구축 방식

SAP HANA 2.0 SPS05 이상, HPE Serviceguard Linux 12.60 (2020년10월30일 정식 출시)

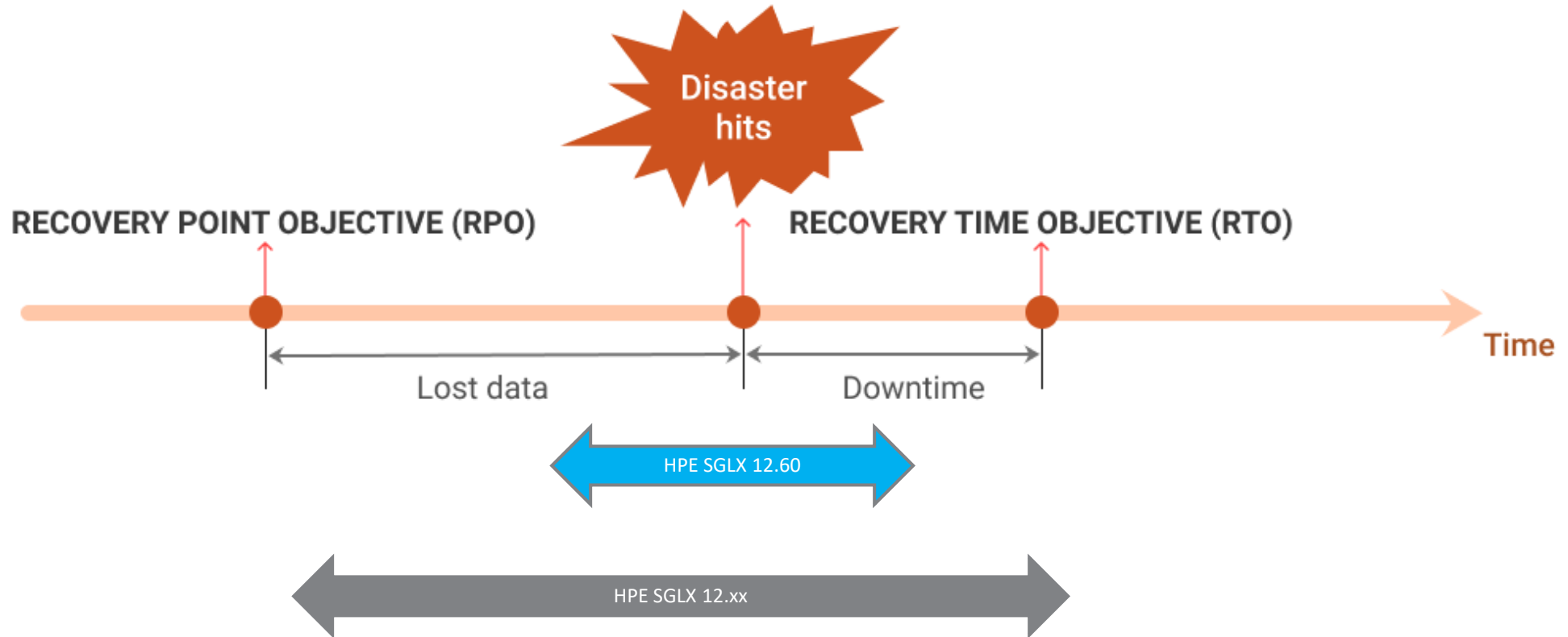


신규 SAP HANA HA/DR 구축 방식

SAP HANA 2.0 SPS04 이상, HPE Serviceguard Linux 12.50.03 (2020년8월30일 정식 출시)



RPO and RTO explained





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Thank you