



SANGFOR

**DISASTER
RECOVERY**

SANGFOR DRM Disaster Recovery Management Solution

Safeguard Your Business Continuity Efficiently

Enterprises today are so dependent on IT that an unexpected operational disruption can plunge them into crisis. Cyber-attacks or natural disasters can cause serious business downtime leading to huge economic losses, compliance violations, reputational damage, and in severe cases, bankruptcy. IT environments are very complex and comprised of physical systems, virtualization, private cloud, and multiple public clouds. Enterprises need a comprehensive and robust Disaster Recovery (DR) solution to guarantee business continuity and data integrity in times of crisis.



marketing@sangfor.com



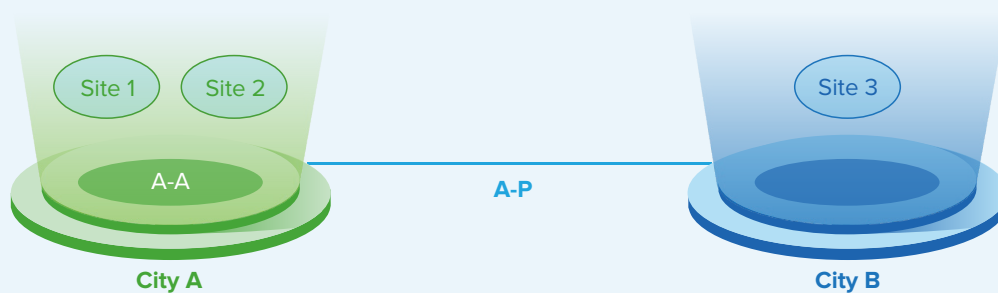
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**Make Your Digital Transformation
Simpler and Secure**

Introduction

Sangfor Disaster Recovery Management (DRM) is the most complete DR solution available offering all-inclusive protection for production workloads in physical x86 servers, virtualization, or cloud infrastructure. Flexible RPO/RTO options protect workloads of different criticality. The built-in automation and orchestration minimize human intervention error. The test-run, real-time monitoring and simple recovery capabilities ensure and verify an effective and reliable recovery plan.

On-Premise DR		Cloud DR		Planned Migration	Disaster Avoidance	Planned Downtime	Inter-site Load Balancing
Active-passive disaster recovery				Active-passive disaster recovery		Active-active stretched cluster	
Heterogeneous DR (hDR)				aDR		aSC	
hDR Management				SCP			
3rd-party Server/ Hypervisor/ Cloud				Sangfor aSV/aSAN/aNET/aSEC			
x86	x86	x86	x86	x86	x86	x86	x86



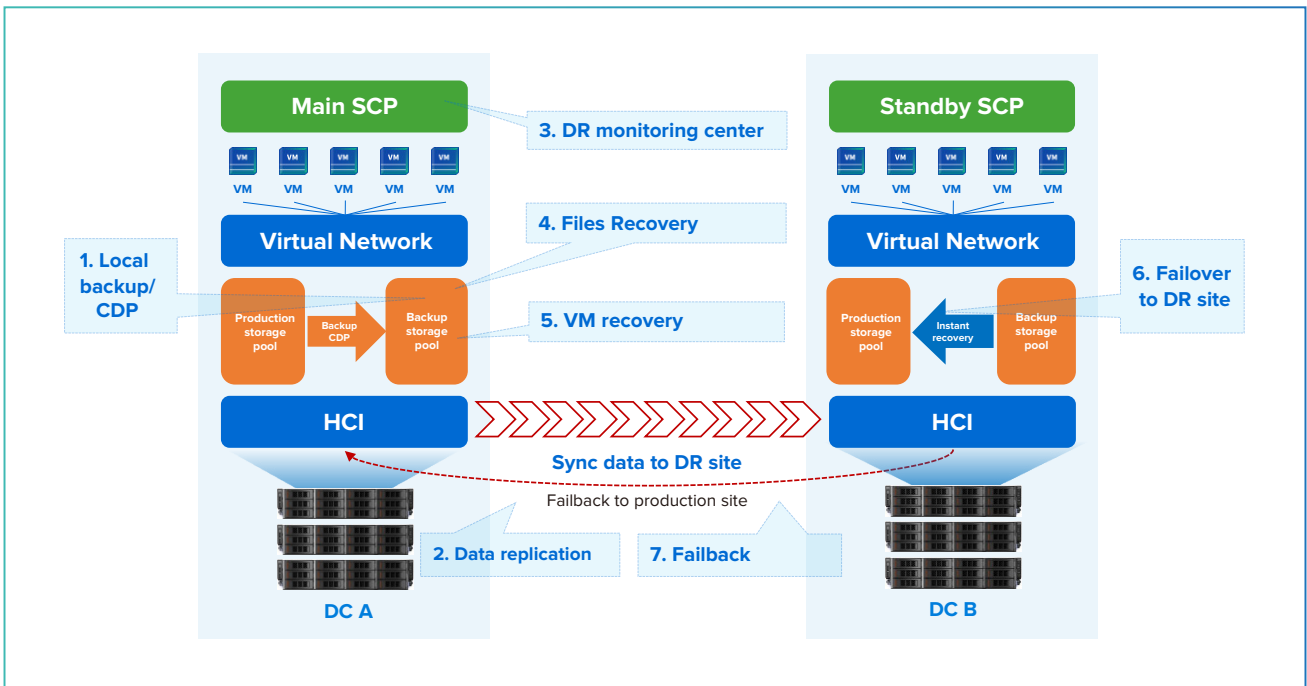
The most common DR architecture scenarios are Active-Active (A-A) DR (within 100km inter-site distance) and Active-Passive (A-P) DR (beyond 100km inter-site distance). There are also two types of DR solutions based on production environments. First, aDR and aSC DR protect customer production workloads that run on Sangfor infrastructure (HCI/Cloud). Second, hDR protects customer production workloads that run on 3rdparty infrastructure.

Sangfor Cloud Platform (SCP) is a unified management tool for infrastructure, backup, DR, and security across multiple sites, both on-premise and off-premise. Sangfor DRM supports various DR scenarios such as on-premise DR, Cloud DR, planned migration, disaster avoidance, planned downtime, and inter-site load balancing.

Sangfor aDR



DR scenario: Active-Passive DR, production running on Sangfor HCI



Key Capabilities

- 01** Integrated into the Sangfor HCI platform providing 1 click VM-level DR, no additional software required.

02 A "local backup – offsite DR" solution providing continuous protection for seconds-level instant recovery from local CDP and a range of RPO options (from 1s to 1wk) for offsite DR using HCI.
- 04** Incremental failback to production site from DR site.

03 Minimize bandwidth consumption using continuous data transfer from a breakpoint and compressed replication.
- 07** Visualized DR monitoring with detailed operation status and alerts.

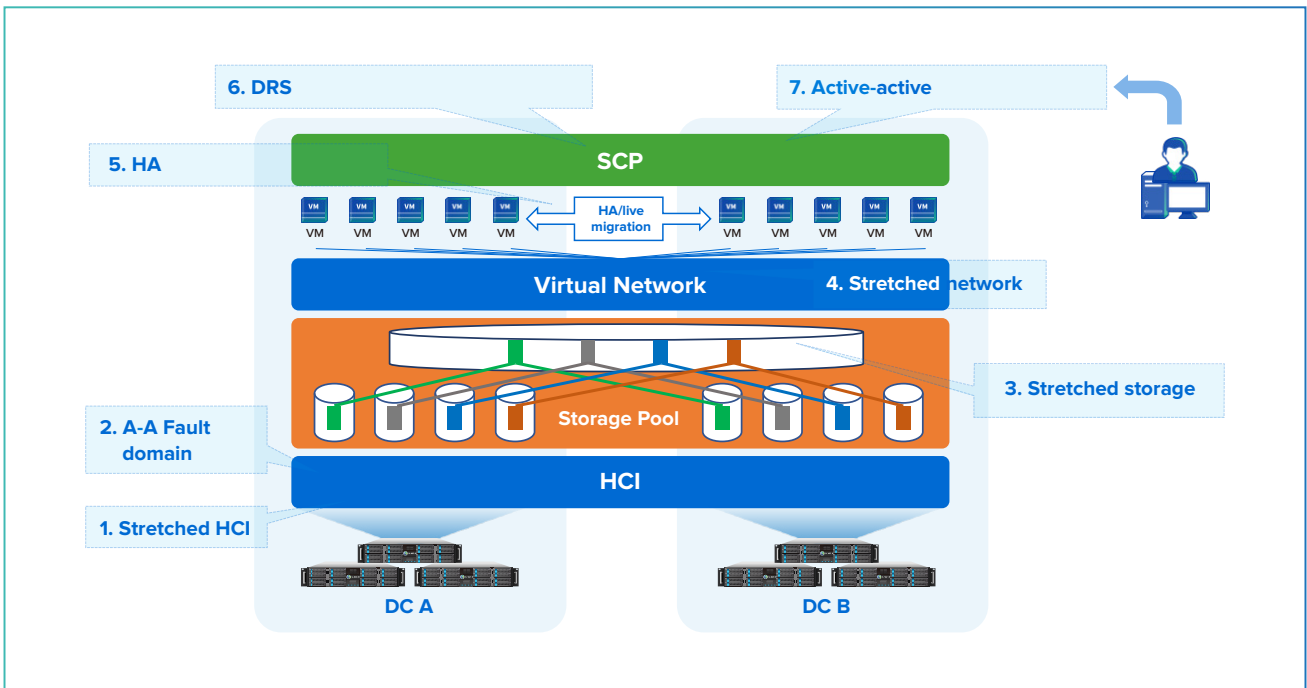
05 With 1-click failover to DR site the network can be preconfigured to minimize RTO to minutes.
- 08** Built-in DR testing to verify DR effectiveness without business disruption.

06 Main SCP and standby SCP to eliminate single point of failure.
- 09** Easy to use, no learning curve.

Sangfor aSC



DR scenario: Active-Passive DR, production running on Sangfor HCI



Key Capabilities

01

Automatic failover

02

Ultimate business continuity with 0 RPO and near-zero RTO

03

Easy to deploy and manage

04

Start from 4 nodes, greatly lowering the entry threshold

05

Capable of working with DR to facilitate an A-A + A-P business continuity scheme

06

Unified and visualized management

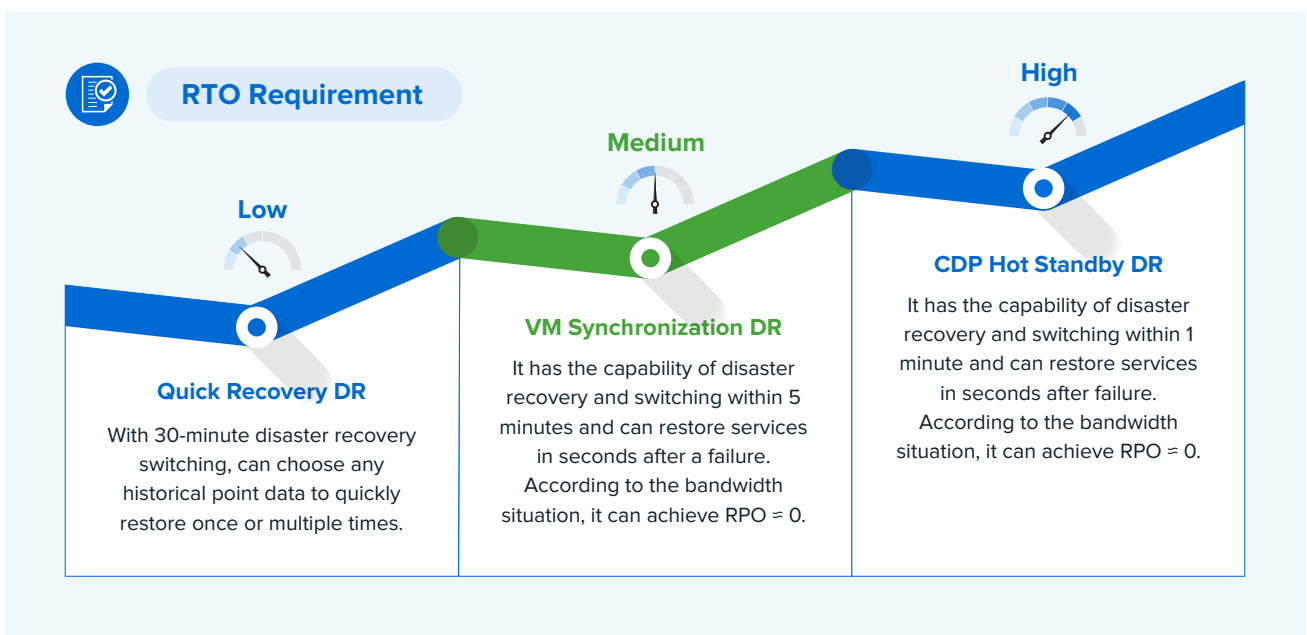
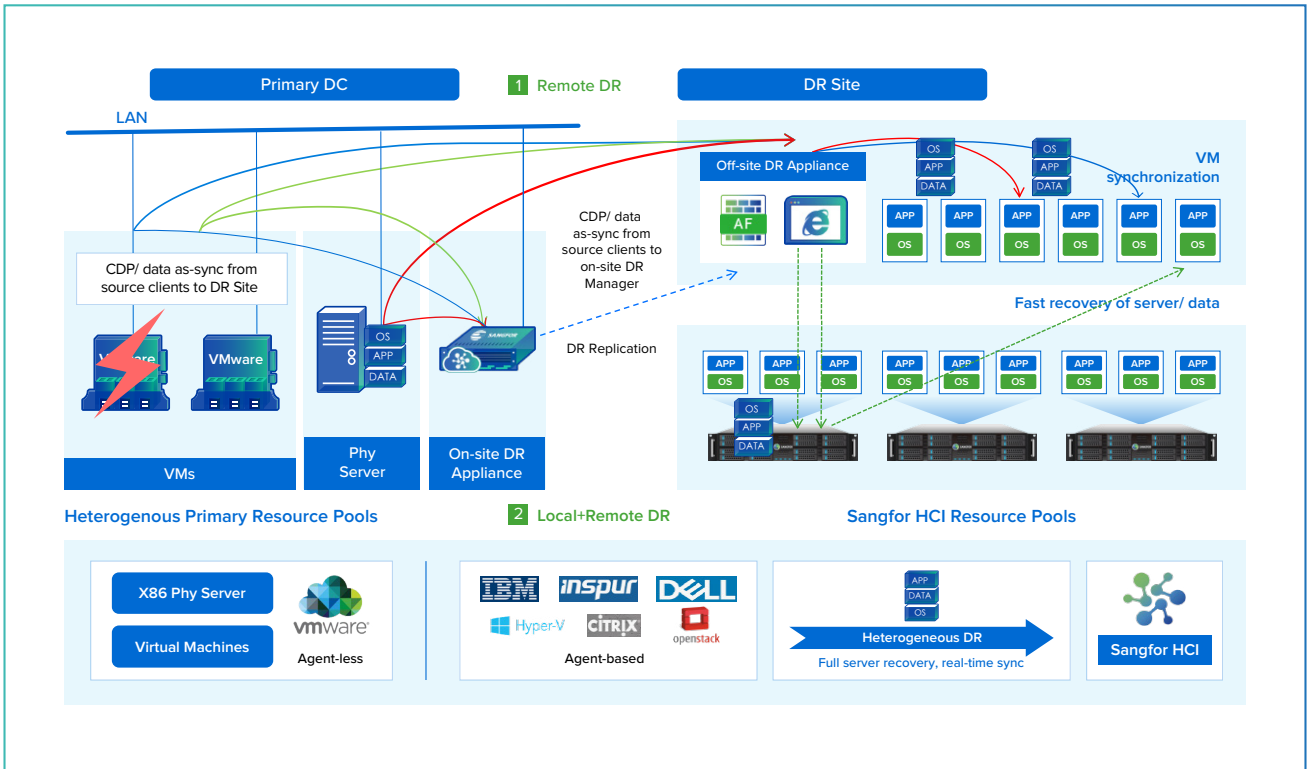
07

Flexible workload allocation to maximize resource utilization with the co-existence of stretched virtual volume and traditional virtual volume

Sangfor hDR



Active-Passive DR, production running on 3rd-party virtualization other than Sangfor HCI





Key Capabilities



- Support agentless V2V for VMware.



- DR synchronization process visualization.



- One-click DR rehearsal and switch back.



- Switch to HCI and observe the resumption of business operation.



- Supports mainstream x86 servers and hypervisor virtual to virtual (V2V) replication.



- Supports centralized monitoring for all switching tasks and presents the status of the switching stage and the target VM.



- Supports one-key termination of switching and ending of rehearsals, greatly reducing the difficulty of business switching.



- On-demand virtual machine configuration optimization, advanced option settings (important virtual machine, NUMA, HA options, etc.)



- Configuration adaptation: configuration adaptation of CPU, memory, disk, network card, etc., and replaced by HCI best practice configuration.

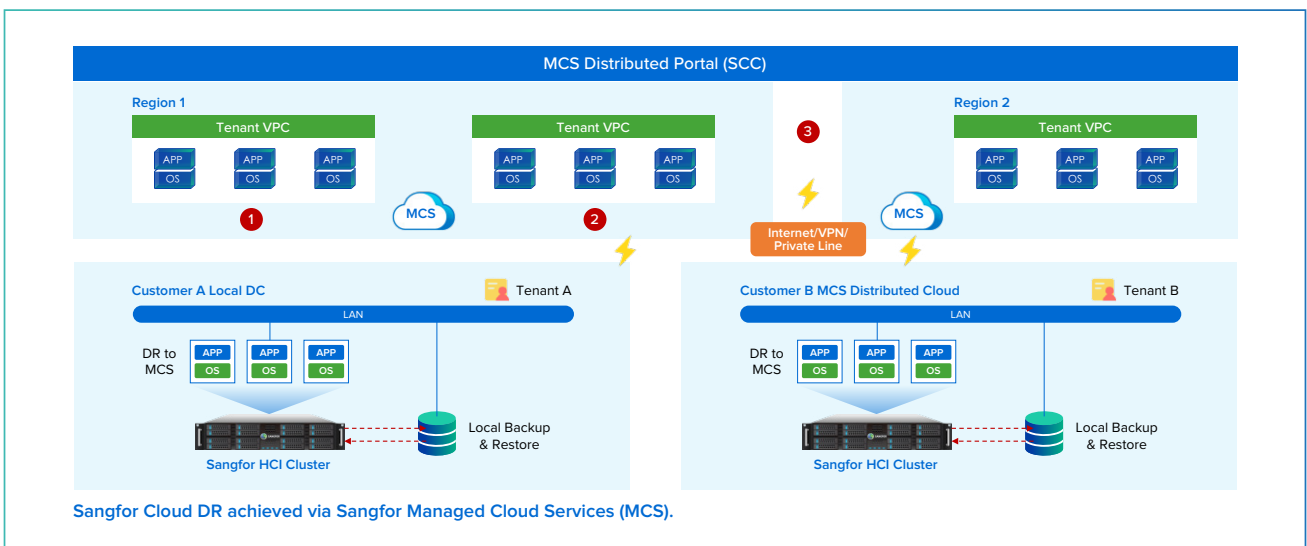


- Driver self-adaptation: automatically adapts to driver compatibility, and replaces the original heterogeneous platform driver with HCI tools to ensure high-performance operation after disaster recovery.

Sangfor Cloud DR



DR scenario: Cloud DR or DRaaS





Key Capabilities



Simpler, Flexible, and unified hybrid cloud BCDR solution



Flexible DR scenarios:

1. Protects customers' on-premise DC by replicating workloads to off-premise MCS
2. Protects customers' off-premise hosted cloud in MCS by replicating workloads to customers' on-premise DR site.
3. Protects customers' off-premise hosted cloud in MCS by replicating workloads to MCS cloud in another region.



Sangfor MCS collaborates with local partners to deliver flexible DR managed services options:

1. Managed DRaaS
2. Assisted DRaaS
3. Self-services DRaaS

Disaster Recovery Consultancy



Initialization

At the initialization stage, the DRP objectives are defined based on Business Impact Analysis (BIA) results. The high-level business services' RTO/RPO are defined based on criticality.

Assessment & Analysis

The existing IT infrastructure and operations are analyzed to assess their readiness and identify gaps. Application dependencies are assessed and applications' RTO/ RPO are defined based on criticality.



Design & Planning

The DR construction strategy and scope are defined. The DRP is designed based on the recovery scenario and the relevant RTO/RPO. The recovery workflow, drill test, and DR maintenance are planned and designed.

Execution

Implementation, drill-run, document the workflow & maintenance.



Optimization

The DR infrastructure is aligned with production changes. Drill-runs are conducted to ensure DR feasibility and the DRP is reviewed for optimization.

Solution Value Proposition

Simple



- All-in-one architecture without complex 3rd party integration
- Unified management for infrastructure and DR
- One-click test run and failover

Reliable



- Ultimate protection with zero RPO and near zero RTO
- Reliable bottom-up design
- Visualized DR management and real-time monitoring

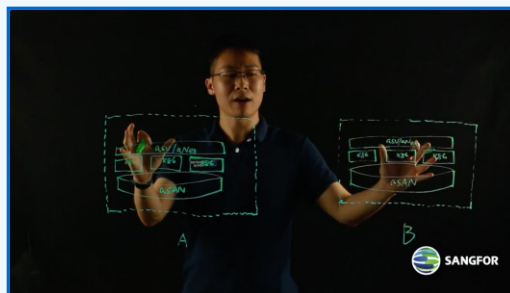
Affordable



- No 3rd party DR and external storage integration
- Flexible CAPEX, OPEX, and managed services options
- Minimum footprint

Learn More

Please contact your local Sangfor sales representative for commercial information. Kindly find more solution details in the links below:



Sangfor HCI Whiteboard Video: DR

SANGFOR DISASTER RECOVERY MANAGEMENT

SANGFOR INTERNATIONAL OFFICES

SANGFOR SINGAPORE

8 Burn Road # 04-09, Trivex,
Singapore (369977)
Tel: (+65) 6276-9133

SANGFOR HONG KONG (China)

Unit 1612-16, 16/F, The Metropolis Tower, 10 Metropolis Drive,
Hung Hom, Kowloon, Hong Kong
Tel: (+852) 3845-5410

SANGFOR INDONESIA

MD Place 3rd Floor, Jl Setiabudi No.7, Jakarta Selatan
12910, Indonesia
Tel: (+62) 21-2966-9283

SANGFOR MALAYSIA

No. 47-10 The Boulevard Offices, Mid Valley City, Lingkaran
Syed Putra, 59200 Kuala Lumpur, Malaysia
Tel: (+60) 3-2702-3644

SANGFOR THAILAND

141 Major Tower Thonglor (Thonglor10) Floor 11 Sukhumvit Road,
Kholngtan Nuea Wattana BKK, Thailand 10110
Tel: (+66) 02-002-0118

SANGFOR PHILIPPINES

7A, OPL Building, 100 Don Carlos Palanca, Legazpi, Makati,
122 Metro, Manila, Philippines.
Tel: (+63) 917-117-9346

SANGFOR VIETNAM

4th Floor, M Building, Street C, Phu My Hung,
Tan Phu Ward, District 7, HCMC, Vietnam
Tel: (+84) 287-1005018

SANGFOR SOUTH KOREA

Floor 17, Room 1703, Yuwon bldg. 116, Seosomun-ro,
Jung-gu, Seoul, Republic of Korea
Tel: (+82) 2-6261-0999

SANGFOR EMEA

D-81 (D-Wing), Dubai Silicon Oasis HQ Building, Dubai, UAE.
Tel: (+971) 52855-2520

SANGFOR PAKISTAN

44, Navy Housing Scheme, ZamZamma, Karachi, Pakistan
Tel: (+92) 333-3365967

SANGFOR ITALY

Floor 8, Via Marsala, 36B, 21013 Gallarate VA, Italia
Tel: (+39) 3395-7110-78

AVAILABLE SOLUTIONS

IAG	Simplify User & Network Management
NGAF	Smarter Security Powered By AI
Endpoint Secure	The Future of Endpoint Security
Cyber Command	Powerful Intelligent Threat and Detection Platform
TIARA	Threat Identification, Analysis and Risk Management
Incident Response	Closed-loop Incident Response Service Solution
HCI	Driving Hyperconvergence to Fully Converged
MCS	Your Digital Infrastructure Exclusive Store
VDI	Ultimate User Experience that Beats PC
SD-WAN	Boost Your Branch Business With Sangfor
SIER	Simplify & Intelligence Your Branch Network
ACCESS	Cloud-based SASE for Branch Offices & Remote Users
WAN0	Enjoy a LAN Speed on your WAN



www.sangfor.com

Sales: sales@sangfor.com

Marketing: marketing@sangfor.com

Global Service Center: +60 12711 7129 (or 7511)

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