



# **Additional restrictions and limitations**

## **ONTAP 9**

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There are several additional restrictions and limitations when using the SnapMirror Business Continuity solution.

## Consistency groups

The maximum number of SnapMirror Synchronous consistency group relationships in a cluster is five, a limit which is platform-independent. If you reach or attempt to exceed this limit, the following message is displayed:

```
The number of SnapMirror Synchronous consistency group relationships in a cluster cannot exceed 5
```

## Volumes per consistency group

The maximum number of volumes supported per SnapMirror Synchronous consistency group relationship is twelve, a limit which is platform-independent. If you reach or attempt to exceed this limit, the following message is displayed:

```
The number of volumes in a SnapMirror Synchronous Consistency Group cannot exceed 12
```

## Volumes



The limit is on the number of endpoints and not the number of relationships. A consistency group with 12 volumes contributes 12 endpoints on both the source and destination. A SnapMirror Synchronous relationship with both source and destination volumes on the same HA pair contributes 2 endpoints.

The maximum endpoints per platform are included in the following table.

S. No	Platform	Endpoints per HA for SM-BC	Overall sync and SM-BC endpoints per HA
1	AFF	60	80
2	ASA	60	80

## SAN object limits

The following SAN object limits are included in the following table and apply regardless of the platform.

Limits of objects in an SM-BC relationship	Count
LUNs per volume	256
LUN maps per node	2048
LUN maps per cluster	4096

Limits of objects in an SM-BC relationship	Count
LIFs per VServer (with at least one volume in an SM-BC relationship)	256
Inter-cluster LIFs per node	4
Inter-cluster LIFs per cluster	8

## NTFS security style

NTFS security style is not supported on SM-BC volumes.

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