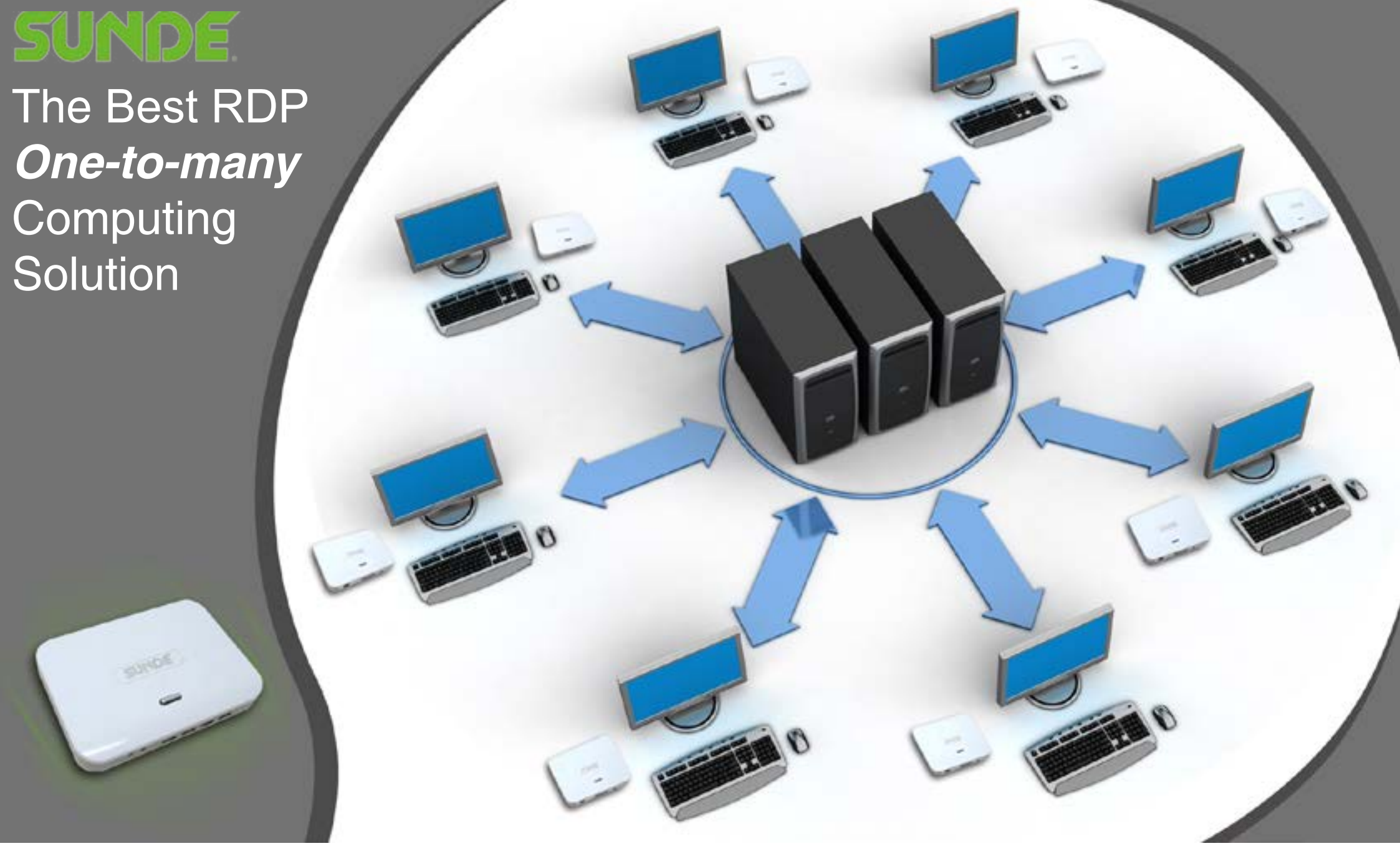
SUNDE

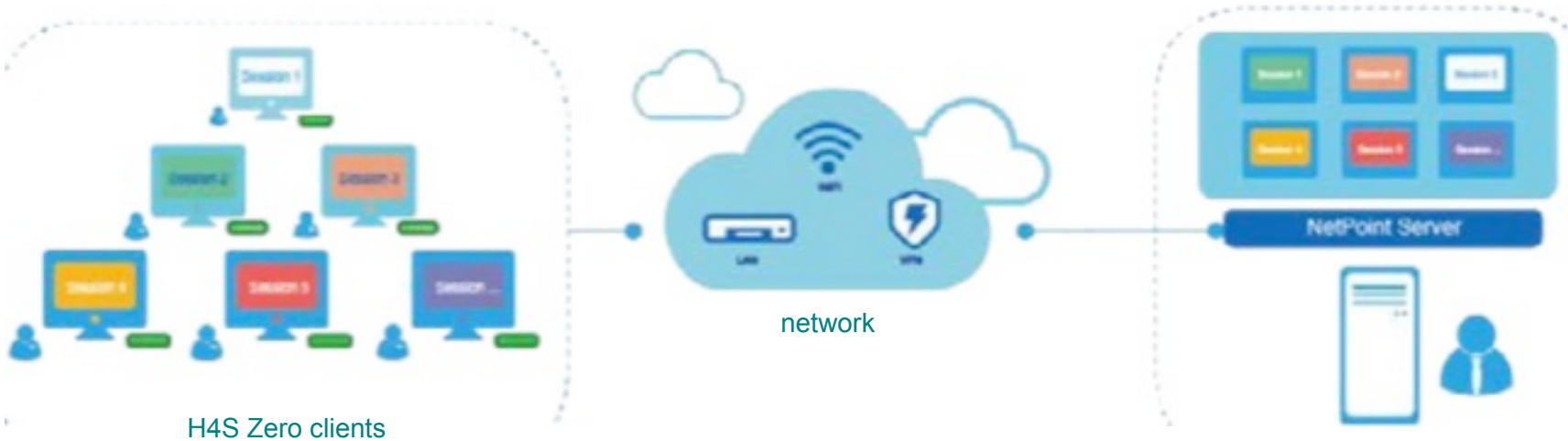
The Best RDP *One-to-many* Computing Solution



NetPoint2.0 Sharing solution (with the new zero client model H4S) is the accelarated version of our earlier product NetPoint1.0 (working with H4). The new NetPoint2.0 is also RDP session based. But with our special SpeedUp technology, it supports smooth HD movie playback on H4S zero clients

NetPoint2.0 sharing solution is an excellent choice where users require same Operation System and Applications. It allows users to access the server host with one's own account, sharing the available computing and storage resources of the server host.

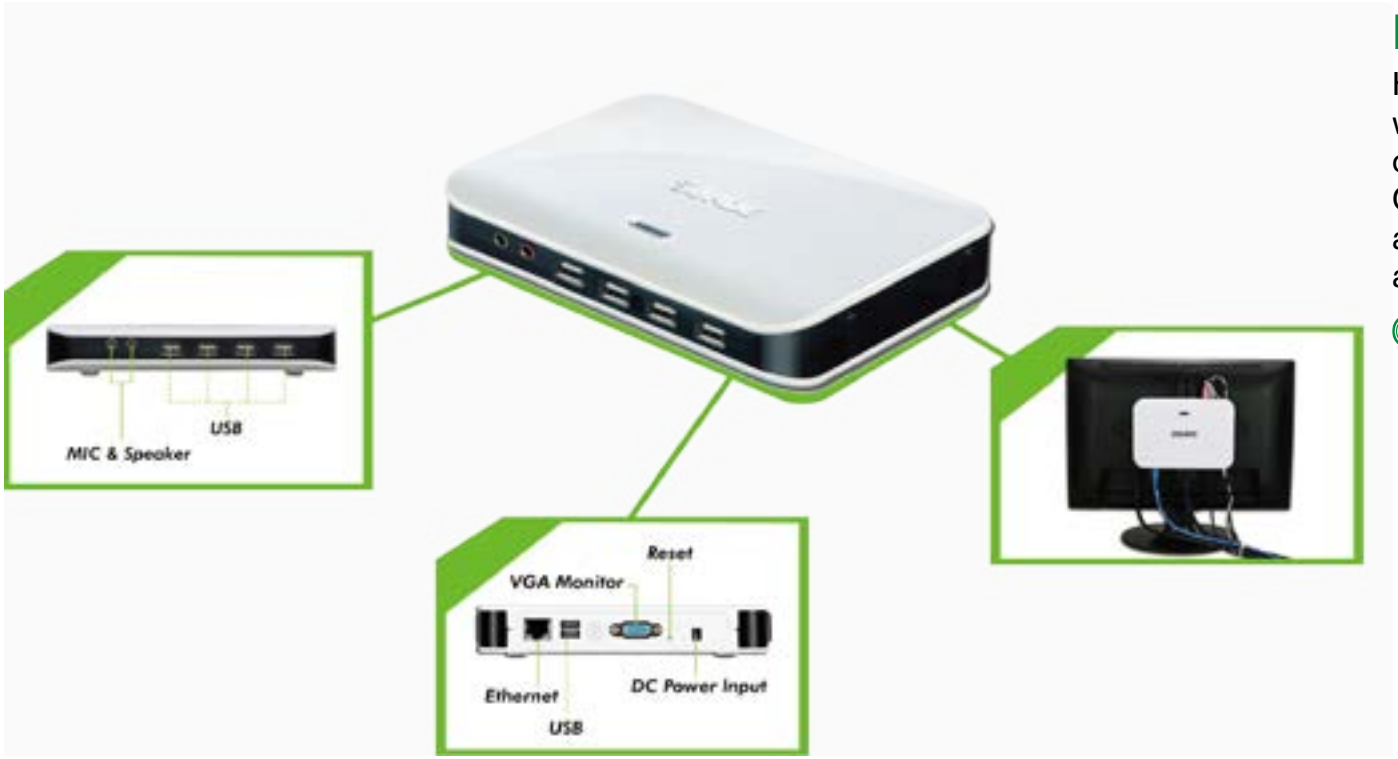
All the users have the access to the host operation system to run applications which are installed and maintained by IT administrators. Centralized processing and housing of applications provides better security and cost efficiency as compared to traditinal PCs.



H4S Zero clients

network

PC/Server + NetPoint2.0



H4S Zero Client

H4S zero client is a session client device which allows the users to access a session of an Operating System remotely. It has no CPU, no memory, no operating system or any external driver requirement for its server access.

Specifications:

-- Power consumption: 0.2 ~ 5 Watts
*-- Max. Resolution: 1920*1200*
-- Audio: 16 bit stereo audio input / output via 3.5mm jacks
-- Networking: 10/100 Mbps Ethenet (RJ-45); optional WIFI: 802.11b/g/n (factory install)
-- Connections: 6 USB 2.0 ports & VGA display ouput.
-- Supported USB Peripherals: Support USB devices including keyboard, mouse and USB drive.
-- Supports seamless dynamic HD movie playback in any format with any media players.

NetPoint2.0 Server Software

NetPoint2.0 software offers flexible OS support, secure desktop roaming, centralized management and broad peripheral support to H4S. IT Administrators can configure, monitor and manage the endpoint devices and users centrally and simply at the server side through the console.

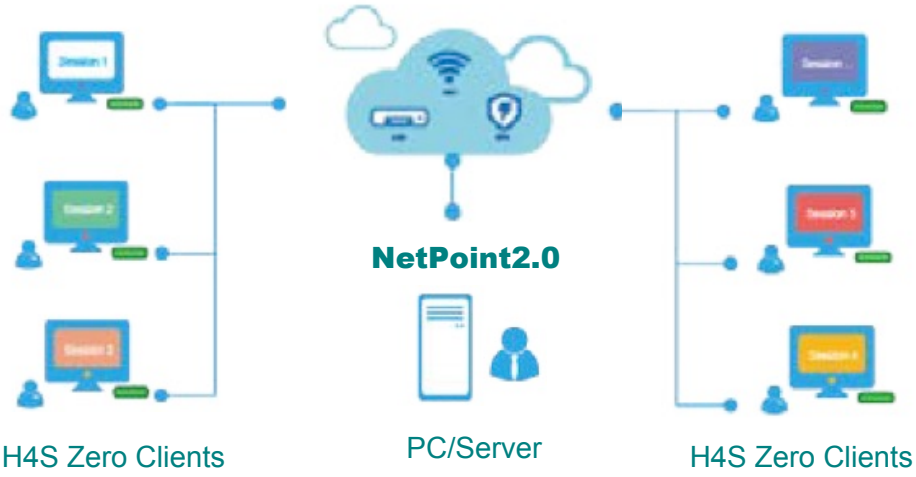
Supported Operating Systems :

– NetPoint2.0 supports Windows XP/ Vista/7/ Windows 8 & 8.1/Server 2003/Server 2008/ Server 2012/ MultiPoint Server 2011 & 2012/ (Windows Home edition is excluded.)

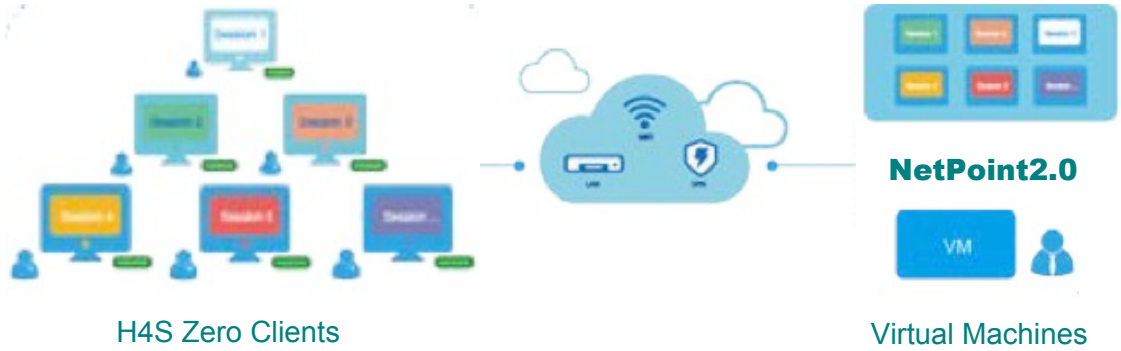
Physical PC/server sharing

- Use Case:
  -- Allow multiple users share the resources of a single PC/ server as in most cases

- Key Benefit:
  -- Deliver a full-fidelity PC experience at a quarter the cost of a PC.



VDI extension



- Use Case:
  -- Integrate into the virtualization environment to extend a virtual machine to multiple standard desktops.

- Key Benefit:
  -- Get more out of VDI infrastructure with one-to-many architecture.

Reduces computing costs

- The initial hardware purchase costs are saved by replacing with lower cost zero clients.
- Higher utilization rates with centralized hardware upgrades and software licensing can be achieved.
- SUNDE zero clients use less electricity, ranging from 0.2-5 watts and produce much less heat. Users can save a great amount of money in electricity costs for power consumption and air conditioning.

Enhances network security

- With no OS or even a processor capable of running software, SUNDE zero clients provide complete secure endpoint that is immune to viruses and malware.
- There is no local storage device. Data loss stemming from both hardware failures and from the loss or theft of PCs and laptops can be eliminated.
- As SUNDE zero clients last as longer as 8-10 years compared to 4-5 years for a traditional desktop and 5-7 years for a thin client. This can save both on purchase cost and replacement parts but also on warranty fees, user downtime and IT staff productivity.

Improves user efficiency

- A common shared space can be created on the server for users to store and share files without the need to copy or transfer between desktops.
- The maintenance free feature of SUNDE zero clients reduces unplanned downtime. Even when turned faulty, a zero client can be replaced, getting the system up and running in just a few seconds.
- The endpoint's connection to the host server can be suspended at any location and then immediately resumed from any other endpoint without any interruption of applications or open files– such as when moving from the office to the conference room - users can quickly access and resume work at any location.

View more

Start | Overview | Components | Use Cases | Benefits | Contact

Increases IT productivity

- The administrator can use templates to speed the deployment and enforcement of standard desktop configurations and policies. A new workstation can be set up in less than 15 minutes compared to hours or days for a traditional workstation One support technician can handle 5 times as many users compared to PC users.

- Helpdesk IT technicians can perform tasks from within the server center, eliminating the need to travel to the user's location trouble-shooting. Problem resolution will be quicker since everything is located within the server center.

- Remote desktops can easily and quickly be monitored, backed up and recovered, and patched or upgraded.

- SUNDE zero clients generate much less heat and e-waste when compared to PC desktops.
  Without any storage and fan, SUNDE zero clients make no noise on running.

- The zero clients are very small in size and can be mounted on the back of the monitor to save valuable space on the desktop.

H4S --- Recommended Server Sizing Chart

H4S	For general office use (with occasional video playback)			For simultaneous high quality video playback *1			RAM size	Storage *2	
	Server(s)	Type of CPU	CPU(s)	Server(s)	Type of CPU	CPU(s)		SSD	HDD
5	1	Intel i5 or i7 **PC**	1	1	Intel i7(4 core) **PC** *3	1	4~8G	OS and Application	User Data
		Xeon 4core CPU	1		Xeon 4core CPU (2.4Ghz or above)	1			
10	1	Intel i7(4 core) **PC**	1	1	Xeon 4core CPU	2	8G	OS and Application	User Data
		Xeon 4core CPU	1						
15	1	Intel i7(4 core) **PC**	1	1	Xeon 6core CPU (2.4Ghz or above)	2	8~12G	OS and Application	User Data
		Xeon 4core CPU (2.2Ghz or above)	1						
20	1	Xeon 4core CPU	2	2	Xeon 4core CPU	2	12G	OS and Application	User Data
25	1	Xeon 4core CPU	2	2	Xeon 6core CPU	2	12~16G	OS and Application	User Data
30	1	Xeon 4core CPU (2.2Ghz or above)	2	2	Xeon 6core CPU (2.4Ghz or above)	2	16G	OS and Application	User Data

***1、Video playback in this chart:**
All H4S are playing 720P video file simultaneously

***2、Storage:**
SSD is highly recommended for Operation System and Install location of applications
For User Data, HDD is applicable.

***3、Selection of CPU**

i5,i7 and Xeon CPU is **Intel** CPU. CPU from **AMD** with similar performance is also applicable. For example: we can use a AMD 8 core CPU like FX8150 to replace an i7 configuration.

Note:

The above sizing suggestion is based on general evaluation only. Actual usage may differ greatly among different users and environments. For each project, please run a small evaluation test before actual deployment.

About SUNDE

SUNDE is a global leader in providing remote desktop solutions and virtual desktop solutions to help organizations reduce desktop computing costs while increasing productivity.

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