Hewlett Packard Enterprise

Evaluate the business value of upgrading to Gen10

HPE ProLiant TCO calculator

Why upgrade to HPE ProLiant Gen10 servers?

Enjoy a new compute experience with the HPE ProLiant Gen10 portfolio, delivering:

- Agility to deliver business results

- Security to better protect your business and data

- Economic control for consumption and to pay for only what you use

HPE ProLiant Gen10 servers help accelerate business results with faster compute, memory, and I/O performance, as well as storage, networking, management, and security advancements.

The breadth of the HPE ProLiant Gen10 portfolio is optimized for various workloads including IT infrastructure (file/print), web (web serving), business applications (ERP and CRM), collaboration (email and unified communications), analytics and Big Data (scientific/engineering), and more.

Want more from your server investment?

With so much new technology available in the latest server platforms, you know the time is right to update the systems in your data center. The problem is identifying which platform offers the best total cost of ownership (TCO) and highest return on investment (ROI).

HPE can help by offering the **HPE ProLiant TCO Calculator**. This easy-to-use tool presents key data to consider when making purchase decisions.

Developed in partnership with two analyst firms, this simplified calculator compares your current infrastructure to new server platforms, and then reports the benefits you will receive through modernization. Using tables and charts, the tool reveals the approximate TCO and ROI of your new server environment.

TCO tool in action

Available on HPE.com, the **HPE ProLiant Business Value Calculator** provides insight on more than just migrating from legacy systems, including the ability to perform head-to-head comparisons.

To begin your TCO calculation, you need to answer a few simple questions in the input fields:

- What is the name of your organization?

- In which country is your organization located?

- Which industry represents your business?

- Which scenario do you want to create?

- What is the type of comparison?

- Do you want to use the existing licenses for your new servers?

- Over what period should the analysis be performed?

Table 1. TCO cost elements breakup

| TCO elements for 3 years	AS Is Servers (Existing)	TO Be Servers (New)	Saving
Support cost	$28,328	$9,453	$18,875
Hardware infrastructure maintenance	$10,524	$5,002	$5,522
Software service/ maintenance	$17,804	$4,451	$13,353
Facilities cost	$19,488	$9,345	$10,143
Power and cooling	$18,588	$9,009	$9,579
Carbon footprint	$900	$336	$564
Data center infrastructure cost	$61,807	$38,474	$23,333
Power infrastructure	$59,041	$35,708	$23,333
Space infrastructure	$2,767	$2,767	$0
Indirect cost	$98,324	$27,863	$70,461
Admin	$22,458	$1,818	$20,640
Downtime	$75,866	$26,045	$49,822
Total cost of ownership	$207,947	$85,135	$122,812

Get your TCO and ROI story today
Discover how much your organization can save by modernizing with the latest HPE ProLiant DL385 Gen10 Servers built on **AMD EPYC 7000** series processors. Visit HPE.com and try the **HPE ProLiant Business Value Calculator**. Enter data and run reports based on your own server environment.

[1] DL385 G7 (Opteron 6136 2.40 GHz 2P).

[2] DL385 Gen10 (EPYC 7401 2.0 GHz 2P).

[3] Based on external firm conducting cyber security penetration testing of a range of server products from a range of manufacturers, May 2017.

Make the right purchase decision. Click here to chat with our presales specialists.

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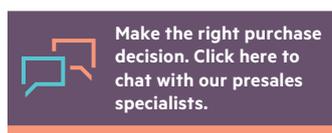
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First you choose your "As Is" servers, such as HPE ProLiant DL385 G7 and/or HPE ProLiant DL385p Gen8. You also need to include the number of current servers in your data center. Then you select the "To Be" server, such as HPE ProLiant DL385 Gen10. The next step is to make your server selections, and then change the sizing criteria to "Performance" for best results.

Table 2. Analysis inputs
This report was created for the organization HPE located in United States to demonstrate the total cost of ownership or return on investment of HPE Servers in a period of 3 years.

Analysis inputs	Number of servers	VM/Server
HPE ProLiant DL385 G7	5	0
HPE ProLiant DL385p Gen8	3	0
To Be Servers	Number of servers	VM/Server
HPE ProLiant DL385 Gen10	1	0
HPE ProLiant DL385 Gen10	1	0

Once those values have been entered, the tool automatically generates a summary report, such as the one illustrated below.

Table 3. Key financials for 3 years

TCO savings %	47%
ROI %	372%
NPV savings	$81,439
Payback	8 months
OPEX per As Is server	$25,993
OPEX per To Be server	$42,568
Total investment	$25,993

As you can see from the example above, modernizing HPE ProLiant DL385 G7[1] servers to the latest Gen10[2] technology can:

- Consolidate the data center footprint, moving from eight servers to only two

- Reduce energy consumption and cost, using fewer servers that are highly energy efficient

- Simplify management, with fewer servers in the environment, all managed by **HPE Integrated Lights Out (iLO)**—built into every **HPE Gen10 server**

- Drive down TCO by up to 47%

- Deliver an impressive ROI of up to 372%

- Enable payback as quickly as eight months (in this example)

- Take advantage of new security benefits such as silicon root of trust, which is only available on HPE Gen10 platforms

Platform of choice for demanding enterprise workloads

Purpose-built to address virtualized and memory-centric workloads, the HPE ProLiant DL385 Gen10 server with AMD EPYC 7000 series processors is one of the world's most secure industry-standard servers.[3] These high-performance servers deliver all the flexibility you need to accommodate the most demanding enterprise workloads.

With high-capacity core count, large memory footprint, and support for up to 24 NVMe drives, the HPE ProLiant DL385 Gen10 Server delivers a low-cost per virtual machine with unprecedented security.

- **Security innovations**—With security protection built in across the server lifecycle; only HPE offers industry-standard servers with major firmware anchored directly into the silicon, our silicon root of trust.

- **Flexible design**—With an adaptable chassis, choice of adapters and networking bandwidth, and support for a wide range of operating systems.

- **World-class performance**—Leveraging the AMD EPYC 7000 series processor with up to 32 cores, 12 Gb SAS, and 4 TB of HPE DDR4 SmartMemory.

- **Proven industry-leading services and ease of deployment**—Including a complete set of **HPE Pointnext services** to deliver confidence, reduce risk, and help you improve agility and stability. In addition, **HPE Financial Services** can help you transform to a digital business with financing options and trade-in opportunities that align with your business goals.

Learn more at
hpe.com/info/tco