



Demo

Discovery Report — Current Estate Snapshot

Prepared for: Interact

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Interact DC

<https://interactdc.com>

Estate Snapshot

This Discovery report summarises the current state of the server estate. It groups servers by their energy-efficiency grade and presents estimated annual power and energy figures, together with cost estimates based on the captured specifications.

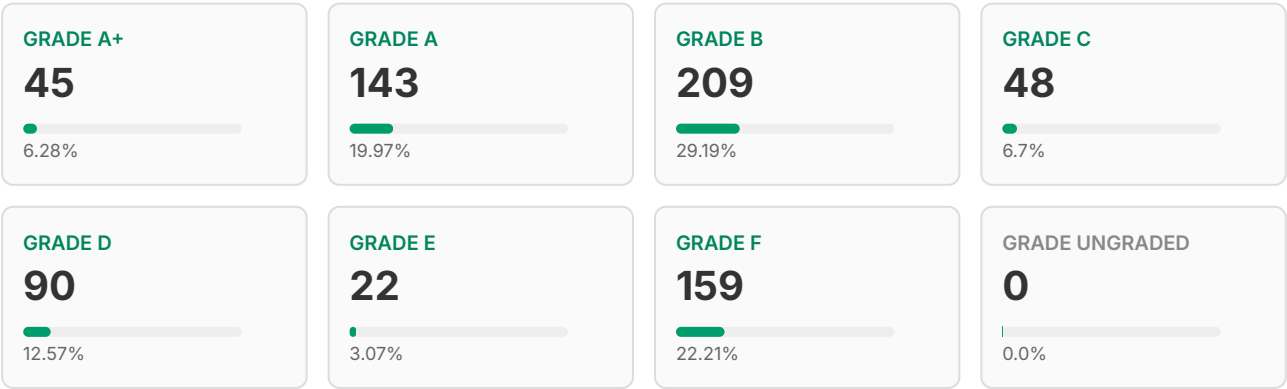
Use this snapshot as a baseline. To explore how the estate could be improved, run an Estate Refresh or Host-to-Host simulation against this same specification.

Totals

SERVICES	CORES	MEMORY
716	23,852	319,426 GB

Grade Distribution

Servers grouped by energy-efficiency grade. Higher grades (A+, A) indicate more efficient hardware.



Per-Configuration Breakdown

Each unique server configuration in the estate, with the grade assigned to that configuration.

Vendor	Model	CPU	Qty	Grade	Cores/Server	Memory (GB)
Hewlett Packard Enterprise	Synergy 480 Gen11	INTEL XEON GOLD 6548N	24	A+	64	1,024
Hewlett Packard Enterprise	Synergy 480 Gen10 Plus	Intel Xeon Platinum 8362 CPU @ 2.80GHz	14	A+	64	1,024
Hewlett Packard Enterprise	ProLiant DL380 Gen10	Intel Xeon Platinum 8280 CPU @ 2.70GHz	4	A+	56	768
Hewlett Packard Enterprise	ProLiant DL385 Gen11	AMD EPYC 9654 96-Core Processor	3	A+	192	1,536
Hewlett Packard Enterprise	Synergy 480 Gen10	Intel Xeon Platinum 8268 CPU @ 2.90GHz	80	A	48	1,154
Hewlett Packard Enterprise	Synergy 480 Gen10	Intel Xeon Platinum 8268 CPU @ 2.90GHz	46	A	48	768
Hewlett Packard Enterprise	Synergy 480 Gen10	Intel Xeon Platinum 8268 CPU @ 2.90GHz	7	A	48	512
Hewlett Packard Enterprise	Synergy 480 Gen10	Intel Xeon Gold 6248R CPU @ 3.00GHz	7	A	48	768
Dell	PowerEdge R840	Intel Xeon Platinum 8280 CPU @ 2.70GHz	3	A	112	3,073
Dell	PowerEdge R640	Intel(R) Xeon(R) Gold 6230 CPU	110	B	40	383
Hewlett Packard Enterprise	ProLiant BL460c Gen10	Intel Xeon Gold 6248 CPU @ 2.50GHz	55	B	40	512
Hewlett Packard Enterprise	ProLiant DL360 Gen10	Intel Xeon Platinum 8168 CPU @ 2.70GHz	28	B	48	512
Hewlett Packard Enterprise	ProLiant DL380 Gen10	Intel Xeon Gold 6226R CPU @ 2.90GHz	8	B	32	191
Dell	PowerEdge R640	Intel Xeon Platinum 8268 CPU @ 2.90GHz	5	B	48	640
Dell	PowerEdge R640	Intel Xeon Gold 6248R CPU @ 3.00GHz	3	B	48	768
Dell	PowerEdge R630	Intel(R) Xeon(R) CPU E5-2660 v4	32	C	28	128

Vendor	Model	CPU	Qty	Grade	Cores/Server	Memory (GB)
Dell	PowerEdge R730	Intel Xeon E5 - 2697A v4 CPU @ 2.60GHz	8	C	32	512
Dell	PowerEdge R730	Intel Xeon E5 - 2680 v3 CPU @ 2.50GHz	4	C	24	64
Dell	PowerEdge R730	Intel Xeon E5 - 2640 v4 CPU @ 2.40GHz	4	C	10	32
Hewlett Packard Enterprise	ProLiant DL380 Gen9	Intel Xeon E5 - 2650 v4 CPU @ 2.20GHz	90	D	24	256
Dell	PowerEdge R640	Intel(R) Xeon(R) Bronze 3204 CPU	22	E	12	32
Dell	PowerEdge R620	Intel(R) Xeon(R) CPU E5 - 2667	57	F	12	16
Dell	PowerEdge R320	Intel(R) Xeon(R) CPU E5 - 2403	42	F	4	32
IBM	System x3650 M2	Intel Xeon E5520 CPU @ 2.27GHz	30	F	8	4
IBM	System x3550 M3	Intel Xeon E5607 CPU @ 2.27GHz	18	F	4	12
Hewlett Packard Enterprise	ProLiant DL380p Gen8	Intel Xeon E5 - 2609 v2 CPU @ 2.50GHz	7	F	4	8
Dell	PowerEdge R620	Intel(R) Xeon(R) CPU E5 - 2690	4	F	16	64
Hewlett Packard Enterprise	ProLiant DL380p Gen8	Intel Xeon E5 - 2640 0 CPU @ 2.50GHz	1	F	12	125

Estimated Annual Power, Energy & Costs

Power and energy figures are derived from per-server peak and idle draw applied at the configured utilisation rate. Cost lines apply the simulation's cost parameters.

Item	Value
Peak Power	269.90 kW
Idle Power	48.23 kW
Annual Energy Consumption	1,271,124 kWh
Annual Energy Cost	USD 216,091.15
Annual Maintenance Cost	USD 214,800.00
Annual Licensing Cost	USD 2,385,200.00
Per-core cost	USD 100.00

APPLIED ASSUMPTIONS

Server utilisation 25% PUE 1.40 Hours/year 8,760

These are configurable per simulation. Utilisation in particular drives the energy figures above — if the estate runs harder or lighter than assumed, re-run with the rate that reflects it.

Methodology

Efficiency Grades

Servers are graded on a scale from **A+** (most efficient) to **F** (least efficient) based on their normalised ITEEsv score. Servers without efficiency data appear in the Ungraded bucket.

Power & Energy Estimates

Peak and idle power figures are aggregated from the captured per-server specifications. Annual energy consumption blends the two according to the configured utilisation rate and multiplies by 8,760 hours per year. Energy figures represent total facility consumption, including cooling and power-distribution overhead.

Cost Estimates

Costs apply the simulation's cost parameters (or organisation defaults) to the energy figure plus a per-server maintenance cost and a per-core licensing cost.

Assumptions

- Server utilisation rates are applied uniformly across the estate
- Ungraded servers are excluded from the power and energy figures

About Interact DC

Interact DC provides data centre intelligence tools that help organisations understand, optimise, and future-proof their IT infrastructure. Our platform combines hardware benchmarking data with machine-learning models to deliver actionable insights on energy efficiency, sustainability, and cost optimisation.

This report is generated based on analysis of the provided server specifications. Actual energy consumption may vary based on workload, environment, and configuration. All estimates use Interact DC's default assumptions unless overridden by the simulation's cost parameters.

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