

The room view and the what-if on top of your data. Never a replacement for it.

DC Sim is a browser-based data-center simulator: one Excel file becomes a 3D twin with floor, air, water, fire, power, cabling, network, device and token layers; any node can be failed to see what goes dark. Your tool keeps monitoring and documenting. We read your values, place them on the rack they belong to, and send your users back to you when something needs changing.

HOW DATA GETS IN

- **Agent:** a single outbound-only binary inside the customer's network, one WebSocket out, no listening port, read-only credentials, spools to disk during outages. Connectors are plugins.
- **CSV (today, any tool):** the Readings sheet (time, item, metric, value) accepts any export; Devices/Racks/Power/Cables sheets accept inventory exports with header synonyms.

WHAT WE READ

Source	Values	Status
Zabbix API (read-only token)	hosts and inventory, CPU, ping, temperatures, watts, UPS runtime / load / battery, problems as alarms	Live · tested
NetBox API (read-only token)	one site at a time: racks, devices, cables, power panels, feeds, PDUs, VLANs as the template sheets	Live · tested
Prometheus exporters (GPU telemetry, vLLM, SGLang, LiteLLM, node, ipmi, snmp)	GPU power and utilisation, token counters, node metrics, UPS	Built · roadmap
Redfish BMCs	chassis temperatures, fans, watts	Built · roadmap
SNMP v1/v2c (UPS-MIB, raw OIDs)	runtime, charge, on-battery, load	Built · roadmap
SolarWinds · ManageEngine · OpManager · Sunbird · dcTrack · PRTG · CloudSino · BMS (Modbus/BACnet)	inventory, metrics, alarms	CSV today · connector roadmap

ORDER OF WORK

Zabbix and NetBox (live: paste URL + read-only token, Test, preview as template sheets; tested against NetBox 4.7 and Zabbix 6.0 demo instances) → Prometheus and a Grafana panel → ManageEngine OpManager and SolarWinds → Sunbird dcTrack → PRTG → BMS protocols. Today every tool works through CSV exports into the template sheets. Connectors are built in order of partner engagement and customer demand; no dates are promised.

WHAT WE WRITE BACK (ROADMAP, OPT-IN)

- **Designs as inventory:** a room designed in DC Sim exported as racks, devices, power ports and cables into your data model, via API when the connector ships.
- **Positions and bindings:** rack and U positions resolved during import, offered back to the source of truth.
- **Alarms:** what-if and check results as events in your alerting, never as control actions. DC Sim does not control equipment.

WHAT WE ASK OF A PARTNER

- A read-only API account or a sample export so the mapping is exact, not guessed.
- Permission to name you on the integration page and, when agreed, to show your logo.
- A listing on your marketplace or integrations directory once the connector is live, and a joint note to your community.

WHAT A PARTNER GETS

- A 3D twin and a failure what-if your customers ask for and you do not have to build.
- A dedicated integration page (setup, field mapping, FAQ) that ranks for "<your tool> 3D / data center view".
- Referral of DC Sim users to your tool for monitoring and documentation; partner-program terms for your services arm.