

Rack Management Essentials

One accurate view per rack: what's mounted, what it draws, where the next device can safely go

What rack management covers

Live elevations

Front/rear rack diagrams generated from discovered devices

U-position truth

Room, rack, and U position tracked per asset automatically

Power & thermal

Per-rack draw and inlet temperature against limits

Change history

Every install, move, and removal recorded for audit

1U

= 1.75 in (44.45 mm) of vertical rack space

42U

a standard full-height rack

1U / 2U / 4U

how servers are sized — accurate U records decide whether a deployment fits

Why it matters

Most rack diagrams are wishful thinking: drawn at deployment, edited occasionally, wrong within a quarter. The cost shows up as remote-hands confusion ("it's not in U22"), failed capacity plans, and audits that mean walking the floor with a clipboard. An elevation built from discovered hardware is a report of reality, not a drawing of intent.

What accurate rack data delivers

- Elevations that match the floor
- Remote hands guided to the right U
- Free space found with real power headroom
- Thermal and electrical limit warnings per cabinet
- Audit-ready location and change records