

Customer Temperature Benchmark Specification

Customer Information

Customer Name: Apex Cloud Data Center

Customer ID: CUST-DC-8472

Industry: Cloud Computing Infrastructure

Location: Portland, Oregon

Facility Overview

Apex Cloud Data Center operates a 50,000 square foot facility housing enterprise-grade server infrastructure. The facility maintains critical computing resources for Fortune 500 clients requiring 99.99% uptime guarantees.

Temperature Benchmarks

Normal Operating Range

Server Room Temperature: 18°C - 21°C (64°F - 70°F)

The data center maintains strict temperature controls to ensure optimal performance and longevity of computing equipment. Any deviation outside this range triggers immediate investigation protocols.

Critical Thresholds

- **Lower Warning Threshold:** Below 16°C (61°F)
- **Upper Warning Threshold:** Above 23°C (73°F)
- **Emergency Shutdown:** Above 27°C (81°F)

Monitoring Requirements

Temperature sensors are positioned at:

- Server rack inlets (primary monitoring points)
- Hot aisle centers
- Cold aisle centers
- HVAC return vents

Readings are captured every 60 seconds with alerts generated for any sensor reading outside the normal operating range for more than 3 consecutive minutes.

Seasonal Considerations

Normal operating range remains constant year-round. External temperature fluctuations are compensated by automated HVAC systems.