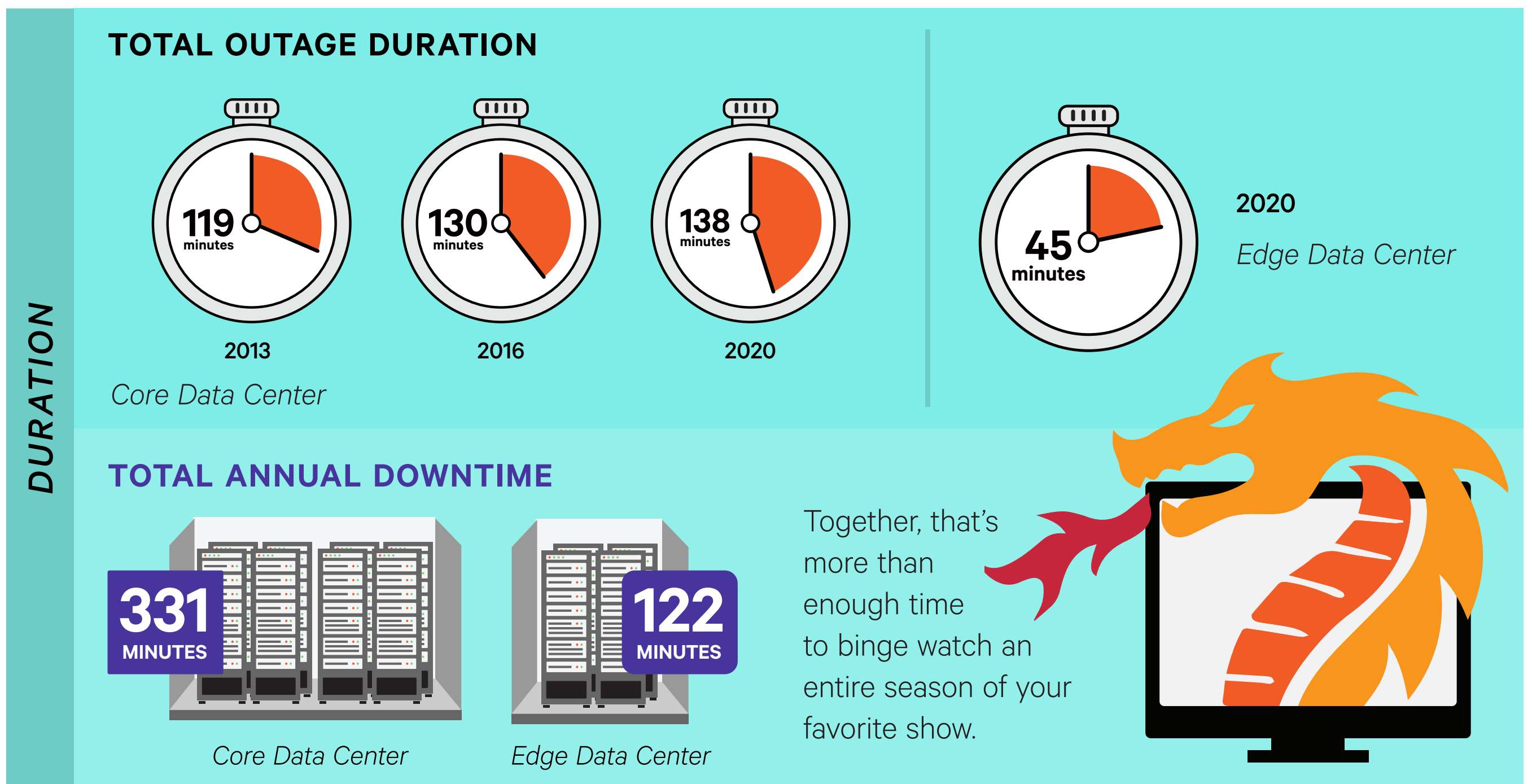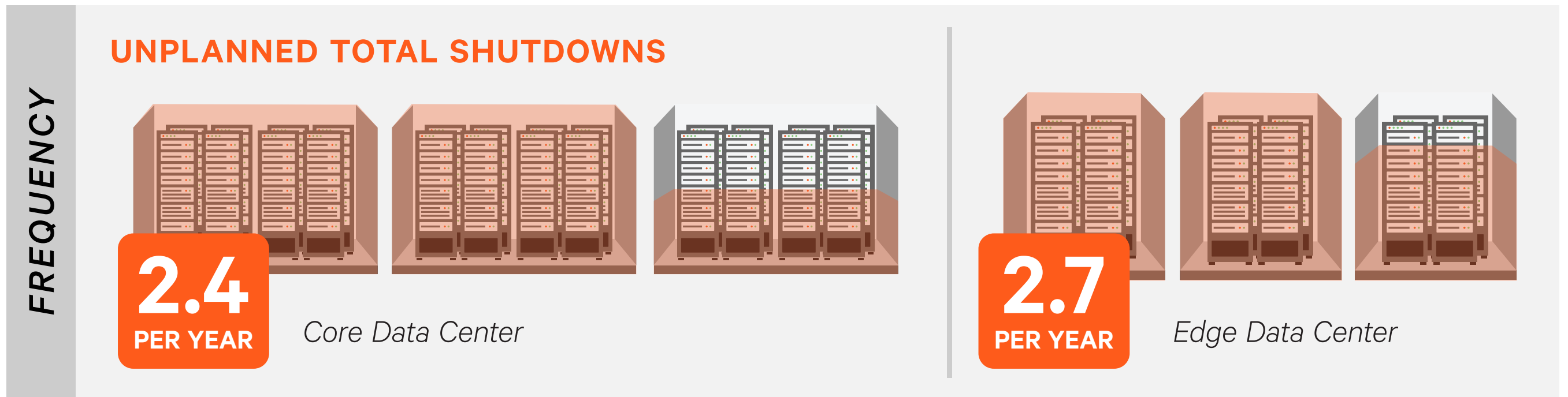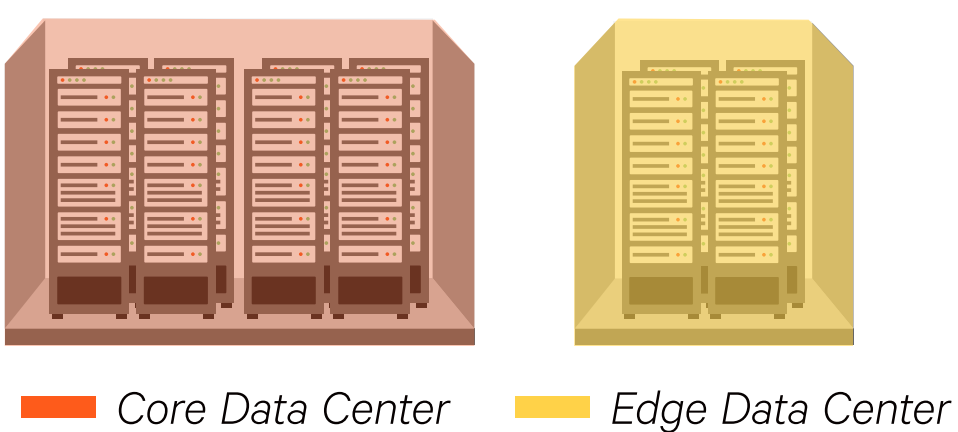# Data Center Downtime at the Core and the Edge

Results from the 2020 Ponemon Institute survey on downtime show increased frequency and duration requiring prevention and a closer look at organizational attitudes impacting availability.

FREQUENCY

UNPLANNED TOTAL SHUTDOWNS

2.4 PER YEAR — *Core Data Center*

2.7 PER YEAR — *Edge Data Center*

DURATION

TOTAL OUTAGE DURATION

119 minutes — 2013
130 minutes — 2016
138 minutes — 2020

Core Data Center

45 minutes — 2020
Edge Data Center

TOTAL ANNUAL DOWNTIME

331 MINUTES — *Core Data Center*

122 MINUTES — *Edge Data Center*

Together, that's more than enough time to binge watch an entire season of your favorite show.

WHY DOWNTIME?

- Core Data Center
- Edge Data Center

Contributing Attributes

Attribute	Core Data Center	Edge Data Center
The risk of an unplanned outage increased as a result of cost constraints	69%	62%
Senior management fully supports our efforts to prevent and manage unplanned outages	51%	50%
We utilize all best practices in design and redundancy to maximize availability	46%	54%

PREVENTION

RECOMMENDED STRATEGIES

- Infrastructure Redundancy
- Monitoring and Remote IT Management
- UPS Scalability
- Lithium-Ion Batteries
- Power Distribution Design

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