

Chapter 16

Troubleshooting Systems

Episode 16.03

Episode **Troubleshooting Boot Problems**
title:

Objective: 220-1202 3.1 Given a scenario, troubleshoot common Windows OS issues.

Lower 3rds

Frequent Shutdowns = Symptom of Underlying Problem

Overheating = Built-In Shutdown for Hardware Protection

Poor Airflow, Dust, or Failing Fan = Common Overheating Triggers

Fast Startup = Quick Boot Feature That May Cause Instability

Lower 3rds

- OBJ - Blue screen of death (BSOD)
- OBJ - Degraded performance
- OBJ - Boot issues
- OBJ - Frequent shutdowns
- OBJ - Applications crashing
- OBJ - System instability
- OBJ - No OS found
- OBJ - Slow profile load
- OBJ - Time drift

Lower 3rds

Corrupted Fast Startup = Unreliable
Boot Behavior

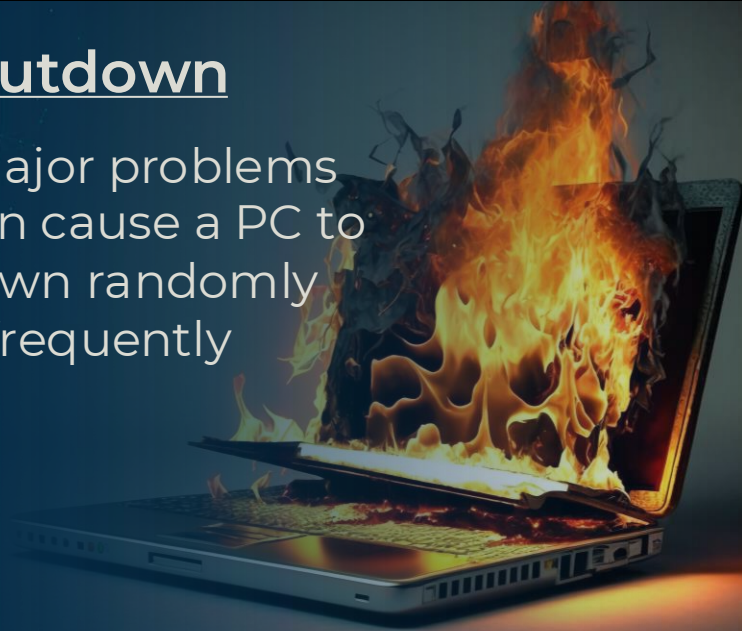
Outdated Drivers = Can Lead to Crashes &
Power Failures

Malware = Disrupts System Resources &
Causes Crashes

Start Troubleshooting with These 4
Common Causes

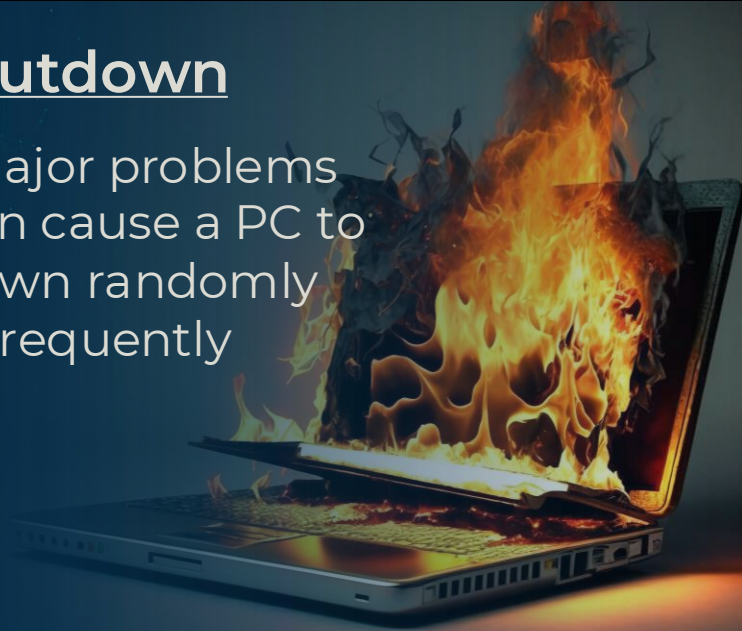
PC shutdown

Four major problems that can cause a PC to shutdown randomly or too frequently



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Overheating

Modern systems shut down if overheated; causes include airflow issues





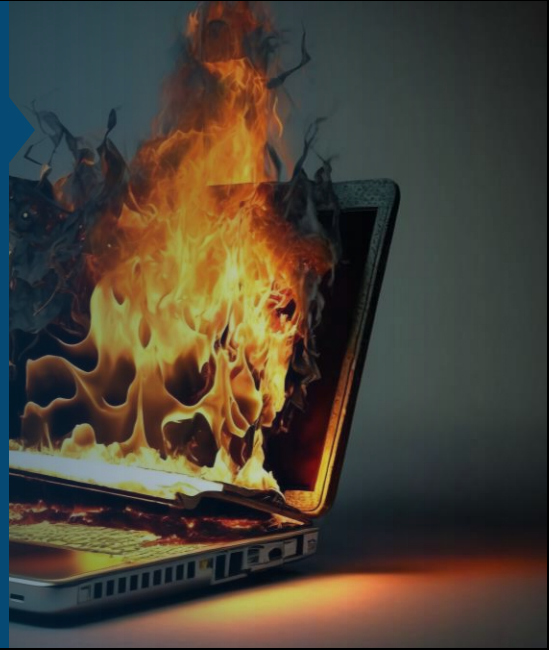
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Fast startup

Default Windows setting speeds startup but may cause instability





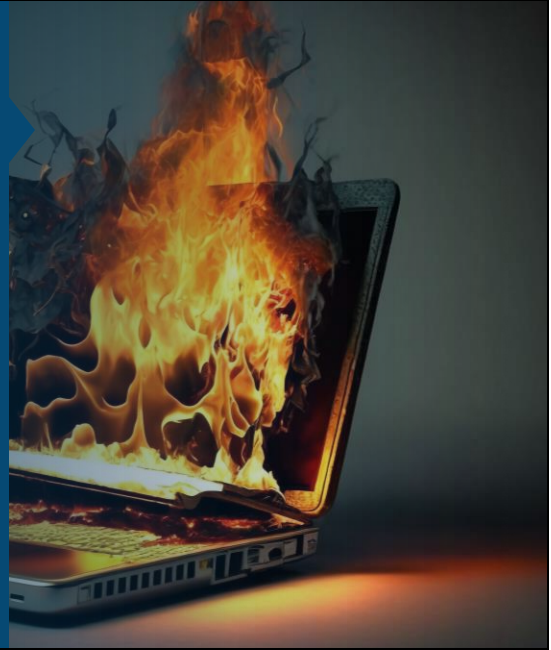
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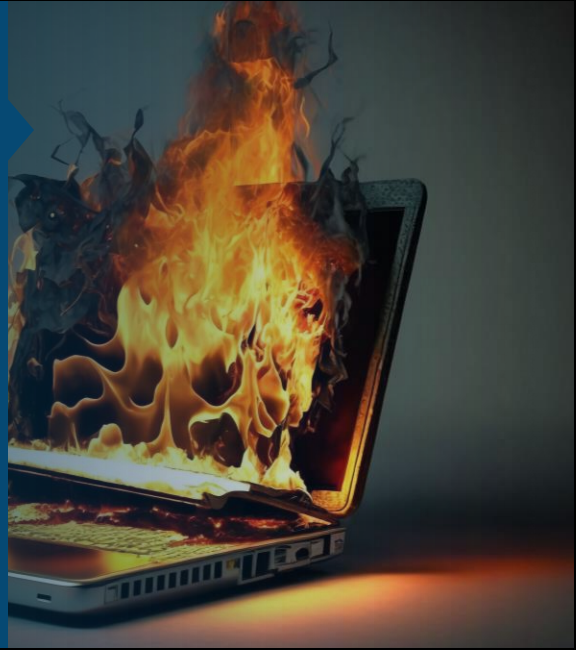
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Outdated drivers can cause shutdowns and system crashes





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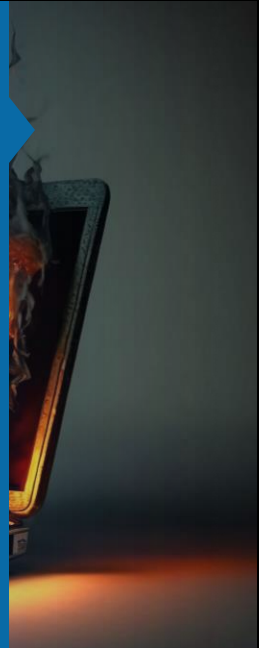
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