

Does Cyber Crucible work offline or in air-gapped environments?

Short answer: Yes. All analysis and enforcement happen locally on the endpoint, so Cyber Crucible provides full protection with no internet connection, no cloud service, and no signal of any kind. It is suitable for air-gapped networks, OT and ICS environments, and disconnected field operations.

Why it works without connectivity

Because the Detect-Decide-Respond loop runs entirely in the kernel on the device, connectivity is never required to make a protective decision. Telemetry syncs opportunistically for evidence and reporting when a connection is available, but protection does not depend on it.

Proven at sea

In a maritime deployment, Cyber Crucible operated independently across multi-day voyages with no IT staff aboard, adapted to low-bandwidth and bursty satellite links with weather interruptions, and retained rich forensic logs through long disconnected stretches for post-voyage analysis. Protected systems ranged from passenger-facing recreational terminals to mission-critical maritime controls.

This is also why the same agent suits manufacturing floors, logistics fleets, and other edge environments where cloud connectivity is unreliable or deliberately absent.

Revision #3

Created 2026-07-20 19:23:54 UTC by Dennis Underwood

Updated 2026-07-21 19:32:10 UTC by Dennis Underwood