Night's Watch Crow

Night's Watch Crow High Availability (HA), a droad map 2026/2027 feature, will be offered in two distinct configurations to meet varying redundancy requirements and hardware investments

Multi-Interface Redundancy (Roadmap 2026):

- Multiple network interfaces connecting to separate upstream switches
- Active traffic distribution across available interfaces
- Automatic failover on interface or switch failure
- Link state monitoring and health checks
- Minimal additional hardware requirements
- Simple configuration and management
- Basic protection against hardware and network failures
- Maintains existing stateful connection tracking

Full Hardware Redundancy (Roadmap 2027):

- Dual firewall deployment with synchronized state
- Multiple public interfaces per firewall
- Active-passive or active-active configuration options
- Automatic failover with configurable triggers
- State synchronization for seamless transition
- Configuration synchronization between units
- Heartbeat monitoring and health checks
- Zero-downtime maintenance capabilities
- Requires significant additional hardware investment
- Complex deployment and management requirements
- Enhanced protection against all failure scenarios

The implementation roadmap prioritizes multi-interface redundancy as an initial offering, with full hardware redundancy planned for future deployment based on customer requirements and market demand. Both solutions require careful consideration of hardware capacity to maintain performance during normal operations and failover scenarios.