

Night's Watch Crow

Service Management

State: MVP

Night's Watch Crow Service Management, a Minimum Viable Product feature, enables transparent service redirection through its redirect and destination NAT mechanisms, allowing network services to be mapped to specific hosts regardless of the original destination. Key capabilities include:

- Redirection of service requests based on protocol and port matching
- Support for both UDP and TCP based services
- Ability to intercept and redirect traffic at prerouting and output hooks
- Full tuple matching for granular control over which traffic gets redirected
- Stateful tracking of redirected connections
- Support for both IPv4 and IPv6 traffic redirection

The framework allows administrators to centralize services like DNS, NTP, and HTTP proxies by intercepting requests and redirecting them to designated internal servers, while maintaining connection state tracking for proper response handling. This can be implemented either globally or with specific source/destination criteria for selective redirection.