

COD NAC & PKI Module

Access control with your own Certificate Authority

Who gets onto the network, and who does not? This question decides your security. The **COD NAC & PKI Module** brings 802.1x/MAC authentication, VLAN control, and a full-featured Certificate Authority of your own together in *one* multi-tenant interface, performant into the millions of entries.

At a glance: 802.1x & MAC auth • VLAN-based access control • FreeRADIUS control in the UI • MAC exact match (millions of entries) • your own PKI (RSA/ECDSA/EdDSA), CRLs & PKCS#12 • multi-vendor, no lock-in.

Access control that thinks ahead



802.1x & VLAN-based access control

Devices are assigned to VLAN groups, and ports are automatically switched to the matching VLAN based on events. Time-based approvals let guests and temporary staff onto the network only within the defined time window.



FreeRADIUS control in the browser

Start, stop, and restart directly in the UI, with live status, uptime, and optional log streaming. New NAS devices automatically trigger a service restart, with no SSH access needed.



MAC exact match & device monitoring

With a complete MAC address, exact match kicks in automatically. It is fast even with more than 7 million entries. Ping polling detects inactive clients, and stale devices are cleaned up.

Your own PKI: trust without third-party systems



Certificate Authority inside the tool

Create your own CAs (RSA, ECDSA, or EdDSA), check validity and status, deactivate or delete them. Import existing inventories via CSV, no external PKI tool required.



Client certificates, CRLs & PKCS#12

Issue leaf certificates with their own key pair and SANs, generate CRLs, export as PKCS#12. Certificate-based auth per VLAN stays in sync with FreeRADIUS: server certificates are rolled out automatically, new CAs are detected on their own.

Access control and PKI from a single source.

Multi-vendor, multi-tenant, on-premise.

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