

WNAM / 802.1x.

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- ();
- (https://en.wikipedia.org/wiki/Extensible_Authentication_Protocol);
- (https://en.wikipedia.org/wiki/Protected_Extensible_Authentication_Protocol);
- (https://en.wikipedia.org/wiki/IEEE_802.1X);
- (<https://mrncciew.com/tag/eap-tls/>);
- Wi-Fi (<https://habr.com/ru/post/150179/>);
- TLS (<https://tls.dxdt.ru/tls.html>).

.., Cisco : https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst2960x/software/15-2_4_e/configurationguide/b_1524e_consolidated_2960x_cg/b_1524e_consolidated_2960x_cg_chapter_0101011.html, Cisco 9800 : <https://www.cisco.com/c/en/us/support/docs/wireless/catalyst-9800-series-wireless-controllers/213919-configure-802-1x-authentication-on-catal.html>.

, 802.1 , . (,) (supplicant) - - , , .

WNAM 802.1 :

- Cisco WLC35xx/55xx/vWLC/CL9800, Cisco Calatyst 2960,2960X,2960s,
- Huawei S5710, S2326
- Eltex MES 2308P, 2324, 2424
- Aruba 3800, WLC7200

, 802.1 (,) , WNAM - . , , RADIUS- .

PAP VPN-.

802.1 :

1. ().
2. EAPOL / 802.1.
3. , - WNAM.
4. () () EAP RADIUS- WNAM.
5. TLS- WNAM EAPOL-RADIUS. RADIUS- (WNAM). , .
 - a. EAP-PEAP ("-") . TLS- , -.
 - b. EAP-TLS () "" "" . TLS- , () , RSA ().
6. EAP-PEAP TLS- MSCHAP- , . MSCHAP , TLS- .
7. EAP-TLS . (, , EAP-TTLS).
8. , , Active Directory WNAM , RADIUS- VLAN ID, MPPE- , , .
9. WNAM RADIUS- , .
10. RADIUS- .

