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# **BIG-IP AP- MãCzãČČãČŁãČćãČČãČŮãČňãČđ'ãČŁ' PassLogicãČráČl'ãČęãČŁ'çủ**

Nov 02, 2021



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æĹĴçĹĈæŽt'æŮřæŮě: 2021ãžt'3æĹĹ15æŮě



# CHAPTER 1

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## ãAřãAŸãĆAãAń

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ãAŞãAőãČZãČijaČÿãAğãAřãĂãAŞãČŇãČL'ãAőãČĤãČČãČuãČčãČňãAĤãČL'ãČ■ãČěãČqãČşãČĹãAőëčIJèűşãAĹãAĤãČNèşGæŰZ.  
F5ãAőãČĤãČČãČuãČčãČňãAĤãČL'ãČ■ãČěãČqãČşãČĹãAřãAŞãAqãČL'ãAńãAŤãAŰãAĐãA;ãAŽãĂČ

- AskF5: <https://support.f5.com/csp/home>
- F5 Cloud Docs: <https://clouddocs.f5.com/>
- F5 DevCentraliiijLãČşãČşãČěãČŇãČĚãČčiiijL: <https://devcentral.f5.com/>





## Access Policy Manager

Access Policy Manager (APM) is a software component that manages access policies for the BIG-IP system. It is responsible for defining, enforcing, and managing access policies for various services and applications. The APM component is part of the BIG-IP system and is used to control access to various resources.

- APM is a software component that manages access policies for the BIG-IP system.
- BIG-IP APM v15.1 is the current version of the APM component.
- PassLogic is a component that manages access policies for the BIG-IP system.
- PassLogic is a component that manages access policies for the BIG-IP system.

## 2.1 APM and PassLogic

APM and PassLogic are components that manage access policies for the BIG-IP system. APM is responsible for defining, enforcing, and managing access policies for various services and applications. PassLogic is a component that manages access policies for the BIG-IP system.

### 2.1.1 APM and PassLogic

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4. APM is a software component that manages access policies for the BIG-IP system.
5. APM is a software component that manages access policies for the BIG-IP system.
6. APM is a software component that manages access policies for the BIG-IP system.
7. APM is a software component that manages access policies for the BIG-IP system.

## 2.1.2 æIJňāČňāČd'āČĹ'āAřāĀAäzēäÿNāAøèç;āŞAāČŘāČijāČyāČgāČšāČŠāĹ'çTíāAŮāAĕāĀAä;IJæĹŘāAŮāAĕāAĹāČĹāAĹ;āAŽāĀČ

æIJňāČňāČd'āČĹ'āAřāĀAäzēäÿNāAøèç;āŞAāČŘāČijāČyāČgāČšāČŠāĹ'çTíāAŮāAĕāĀAä;IJæĹŘāAŮāAĕāAĹāČĹāAĹ;āAŽāĀČ

### 1. āĹ'çTíāČŘāČijāČyāČgāČš

èç;āŞAāŘ■	āČŘāČijāČyāČgāČš
BIG-IP APM	v15.1.0.4
PassLogicāČřāČř'āČĕāČĹ'çĹĹ	iiĵĹæd'IJèĹijæŽČæIJ§iiĴ2020āzt'8-9æIJĹéāČřijĹ

#### Note:

- **TMOS v15.1.2.1āzēäÿĹ** āAøāČŘāČijāČyāČgāČšāČŠāĹ'āĹ'çTíāÿNāAŤāAĎāĀČ(2021āzt'3æIJĹèĹ;èĹÿ)
- iiĵĹāŘĎF5āzčçŘEāzŮāAğāČřāČĹāČijāČĹāRřēČ;āAĹçřĎāŽšāAňāAĹāAĎāAĕāĀAiiĵĹ'æĕřāĹZæIJĀæŮřāAøāČŘāČijāČyāČgāČš

## 2.1.3 PassLogicāČřāČř'āČĕāČĹ'çĹĹĹāAøèĹ■āŮŽ

### 1. āČŠāČzāČ■āČyčd';āAňçTšèñNāAŮāAŞèGĹčd';āAøāČĒāČĹāČšāČĹāAøçøaçŘEçTzéĹcāAňāČ■āČřāČd'āČšāAŮāAĹ;āAŽāĀČ

2. āžŇāĹ'■āAñēí■āōŽāAŮāAšāČđāČzčŽōāČSāČĤāČijāČšāAōāČřāČšāČĤāČd'āČāāČSāČzāČřāČijāČĹ'āČSāĤēāĹZāAŮāAĹāAŽāČ

3. **RADIUS - SSO** āAōēí■āōŽāČSāAŮāAĹāAŽāČRADIUS āAō No. āAñ 1  
 āAĹāĤēāĹZāAŮāĀāāČcāČŮāČĹāČśāČijāČŮāČġāČšāR■čġř āAñāzzæĐŘāAōāŘ■āĹ'■āČSāĤēāĹZāAŮāĀāēl■ēlījāAōēĀAāāq  
 āAñāAĹāAđāAęāĀāhttps://<APMāAōFQDNāAĹāAšāAřIPāČcāČĹ'āČňāČz>/my.policy  
 āAĹāĤēāĹZāAŮāĀāāČ■āČřāČd'āČšIDāAōValueāśđæĀġ āAñāAĹāAđāAę Passlogic Do-  
 main āČSēAÿæĹđāAŮāĀāāČĤāČĹāČšāČĹēĤ;āĹā āAñāČAāČġāČČāČřāČSāĤēāČŇāĀāæñqāAÿ  
 āČIJāČĤāČšāČSāČēĹijāAŮāAĹāAŽāāČřijĹāAšāAšāAģēí■āōŽāAŽāČŇ āČcāČŮāČĹāČśāČijāČŮāČġāČšāR■čġř  
 āAřAPMāAř'āAōēí■āōŽāAģāĹĹ'çTīāAŮāAĹāAŽāāČřijĹ'

4. āĖēāŁŻāĖĖāōžāČŠćčèl■āAŮāĂAæśżăőŽ āČIIāĆfāČşāĆŞæLijāAŮāA;ăAŻāĂĆ



6. āČĽāČĽāČŮāČĭjāČŠāzēäyŇāAőāČĽāAĚāAňāzzæĐŘāAőāŘ■čğřāAğä;IJæĽŘāAŮāAĭāAŽāĂČ  
iijĽāČĽāČĽāČŮāČĭjāAőēĽ■āőŽāĚĚāőžāAřāAŠāAŠāAğāAřçIJAçTěāAŮāAĭāAŽāĂČPasslogicāČřāČř'āČĕāČĽ'çĽĽāAőāČďāČŇāČ

7. āČřāČňāČĭjāČŮāŘ■āČŠāzēäyŇāAőāČĽāAĚāAňāzzæĐŘāAőāŘ■čğřāAğä;IJæĽŘāAŮāAĭāAŽāĂČiijĽēĽ■āőŽāAŮāAĽāAŘāAĕāČ

8. ēĽ■ēĽĭjārçèsqāČĕāČĭjāČŮāČŠā;IJæĽŘāAŮāAĭāAŽāĂČuid āČŠāĚēāĽZāAŮāĀAāČĽ'āČqāČď'āČşāŘ■  
āĀAāČĽāČĽāČŮāČĭj āĀAāČřāČňāČĭjāČŮiijŠ āAřāĽ■éāĚāAĭāAğāAňä;IJæĽŘāAŮāAŠāČČāAőāČŠéAÿæĽďāAŮāAĭāAŽāĂČ

9. **attribute1** ãAñADãAķãĆřãČňãČijãČŮãŘ■ãČŠãĚãŁZãAŮãAĹãAŽãĂĆiijĹãAŞãAąãČĹãAķãĂd'ãAřãĂAġijŞçňããAķADèl■ėĹjã

10. ãAŞãAŞãAğãAřãČĚãČzãČĹãAőãAşãČAãĂAăĽãAőãČĹãČĹãČůãČijãĂAãČřãČňãČijãČŮãČŠæŊAãAd'ăzŮãAőãČęãČijãČůãČŠ



11. åśđæĂgãĆĆçŤřãĀřãĆŇãĀđ'ãČŠçŽzéŇsãĀŮãĀęãĀĹãĀ■ãĀčãĀŽãĀĆ

## 2.1.4 APMãĀőěĽ■ăőŽ

1. APMãĈŖãĈŮãĈ■ãĈŖãĈŸãĈğãĈŇãĈŖãĈřãĈŮãĈĽ;ãĈŽãĈĀĈ

2. VLANãĀőěĽ■ăőŽãĈŖãĈŮãĈĽ;ãĈŽãĈĀĈĽĽăžěăŸŇãĈřãĈŮãĈŖãĈňăğŇăĽŖãĈőăăť'ăĽĽãĈőăĈď'ăĈăăĈĽĽăĈŸĽĽ

3. SelfIPãAøĹĹ■ãóŽãČŠęãŃãAĹĹãAŽãĂĈĭĵĹãžęäŷŃãAřãČũãČšãČřãČňãġŃæĹŘãAøããř'ãŘĹãAøãČd'ãČqãČĭãČŷĭĵĹ

4. āČGāČŤāČŦāČŇāČĽāČšāČĭjāČĽāČĕāČġāČd'āČŠēĽāČōŽāČŦāČŦāČZāČĀČ

5. DNSãAøèl■ǎǒŽǎĆŠǎAŮǎAǎAǎZǎǎĆ

6. NTPāAőēĹ■āőŽāČŠāAŮāAĹāAŽāČ

7. Access ProfileāČŠāĹJāĹŘāAŮāAĹāAŽāČAccess >> Profiles/Policies >> Access Profiles(Per-Session Policies) āAňāAę Create āČIJāČĹāČšāČŠāĹijāAŮāĀAAccess ProfileāČŠāĹJāĹŘāAŮāAĹāAŽāČName āAňāAęāzzāĎŘāAőāŘ■ęřāČŠāĎĚāĹŽāAŮāĀAProfile Type āAňāAęāĀSSL-VPN āČŠéAýāĹđāAŮāĀACustomization Type āAňāAę Standard āČŠéAýāĹđāAŮāĀALanguage āAňāAę Japanese āČŠéAýāĹđāAŮāĀAFinished āČIJāČĹāČšāČŠāĹijāAŮāAĹāAŽāČ

8. Network Access list **Access** >> **Connectivity/VPN** >> **Network Access(VPN)** >> **Network Access Lists** **Create** **Name**  
**Finished** **Access List** **Access**

9. ä;IJæĹŘāŮāA§Network Access ListāČŠéAÿæĹđāŮāA;āAŽāĂČ

10. SSL-VPNæŎęčůŽā;ŇāAňāČřāČřāČd'āČćāČšāČĹāAňāL'sāČĹæŇřāČĹāA§āAĐIPāČćāČĹ'āČňāČžñjĹLease PoolñijĹ'āČŠéĹāóŽāŮāA;āAŽāĂČNetwork Settings āČĹāČŮāČŠéAÿæĹđāŮāĀIPV4 Lease Pool āAőāRšéŽčāAó + āČIJāČĹāČšāČSæĹijāŮāA;āAŽāĂČ

11. **Name** āAňāzzæĐŘāAőāŘ■ęřāĀA**Member List** āAňSSL-VPNæŎěčůŽāŮNāAňāČřāČř'āČd'āČćāČšāČLāAňāL'sāČLæŇřāČLāA.  
āČIJāČĚāČšāČšæLijāAŮāAĵāAŽāĀČ

12. āČřāČř'āČd'āČćāČšāČLāAňāČL'SSL-VPNæŎěčůŽāAŮāAžāAšāAĐæŎěčůŽāĚLIPāČćāČL'āČňāČzāAőčřDāŽšijLSplit  
tunnelingīijL'āČŠēl■āőŽāAŮāAĵāAžāĀČīijLāĚlāAęSSL-VPNčřNčřTšāAğæŎěčůŽāAŮāAžāAšāAĐāāt'āRLāAřāAæIJnēl■āőŽā  
**Traffic Options** āAňāAęāĀAUse **split tunneling for traffic** āČŠéAşæLđāAŮāĀA**IPV4 LAN Address Space**  
āAňāAęāĀAIPāČćāČL'āČňāČzčřDāŽšāČšæŇGāőŽāAŮāĀAUpdate āČIJāČĚāČšāČšæLijāAŮāAĵāAžāĀČ



13. ConnectivityāČŮāČ■āČřāČqāČd'āČňāČŠä;IJæĹřāŮāŮ;āŮŽāČAccess >> Connectivity/VPN  
 >> **Connectivity** >> **Profiles** āŮňāŮęāŮŮAdd āČIJāČĹāČšāČŠæĹijāŮāŮ;āŮŽāČ**Profile Name**  
 āŮňāŮęāŮŮāzzæĎŘāŮōāŘ■ğřāČŠāĚēāĹŽāŮŮāŮ**Parent Profile** āŮňāŮęāŮŮ/Common/connectivity  
 āČŠéŮÿæĹđāŮŮāŮOK āČIJāČĹāČšāČŠæĹijāŮāŮ;āŮŽāČ







20. æñqāAñāĀāL'■ēāĒāAğēŁ;āLāāAŮāA§ External Logon Page āAőāŘşāAťāAő +  
 āČĪJāČĹāČşāČŠāŁijāAŮāAĹāAŽāĂČ

21. **RADIUS Auth** āČŠéAÿæŁđāAŮāĀĀAdd Item āČĪJāČĹāČşāČŠāŁijāAŮāAĹāAŽāĂČ

22. **AAA Server** āAňāĽ'ēāĚāAĽāAğāAňēĽāóŽāAŮāA§RadiusāČťāČijāČŘāAőēĽāóŽāČŠēAÿæĽđāAŮāĀA*Save*  
āČIJāČĚāČšāČŠæĽijāAŮāAĽāAŽāĀČ

23. āĽ'ēāĚāAğēĽāóŽāAŮāA§ **RADIUS AUTH** āAőāRšāAťāAő + āČIJāČĚāČšāČŠæĽijāAŮāĀA*Advanced Re-*  
*source Assign* āČŠēAÿæĽđāAŮāĀA*Add Item* āČIJāČĚāČšāČŠæĽijāAŮāAĽāAŽāĀČ

24. **Add new entry** āČŠæŁijāAŮāAŁāAŽāĂČ

25. **Add/Delete** āČŠæŁijāAŮāAŁāAŽāĂČ

26. **Network Access** āČĚāČŮāAňāAęāĂAĹ■ēāĚāAŁāAğāAňā;IJæĹŘāAŮāA§ **Network Access List**  
āČŠéAÿæŁđāAŮāAŁāAŽāĂČ

27. **Webtop** āČĚāČŮāAňāAęāĂAĹ■ēāĚāAŁāAğāAňā;IJæĹŘāAŮāA§WebtopāČŠéAÿæŁđāAŮāĂAUpdate





30. **Apply Access Policy** āČŠæĹijāŮāAĹ;āAŽāĂČ

31. āČřāČřāČd'āČćāČšāČĹāAŇāČĹ'āČćāČřāČzāČzāAŽāČŇVirtual ServerāČŠăĹIJæĹŘāŮāAĹ;āAŽāĂČ**Local**  
**Traffic** >> **Virtual Servers** >> **Virtual Server List** āAňāAęāĂA**Create**  
āČIJāČĚāČšāČšæĹijāŮāAĹ;āAŽāĂČ**Name** āAňāAęăzzæĎŘāŮăăŘ■ğřāČŠăĚēāĹZāŮāĂA**Destination**  
**Address/Mask** āAňāAęVirtual ServerāŮŮIPāČćāČĹ'āČňāČzāČšāČēāĹZāŮāĂA**Server**  
**Port** āAňāAę **443** āČŠăĚēāĹZāŮāĂA**HTTP** **Profile(Client)** āAňāAę **http**  
āČŠéAÿæĹđāŮāĂA**SSL** **Profile(Client)** āAňāAęāĂA**clientssl** āČŠéAÿæĹđāŮāĂA**Access**  
**Profile** āAňāAęăĹIJæĹŘæÿĹāAĚāŮăăČŮāČ■āČŤāČqāČd'āČňāĂA**Connectivity** **Pro-**  
**file** āAňāAęăĹIJæĹŘæÿĹāAĚāŮăăČŮāČ■āČŤāČqāČd'āČňāČšéAÿæĹđāŮāĂA**Finished**  
āČIJāČĚāČšāČšæĹijāŮāAĹ;āAŽāĂČ

### 2.1.5 ãĈřãĈř'ãĈd'ãĈćãĈşãĈĹãĈŇãĈĹ'ãĈŮæŮěćúŽãĈĸãĈzãĈĹ

## WindowsäÿĹāĀġEdge ClientāČŠāĹĹ'čŤĹāĹŮāĀęSSL-VPNæŎęčŮŽāĹŮāĀşāāt'āŘĹ

Edge ClientāĀřāĀĀPMčŏāçŘĚçŤžéĹāĀŏHomeāČćāČd'āČşāČşřĭjĹĹāŭęäÿĹāĀŏęđd'āĀĎF5āČćāČd'āČşāČşřĭjĹ'āČŠæĹĭjāĹŮāĀĎDow

1. Edge ClientāČŠęŭāŇŤāĹŮāĀĀPMāĀŏVirtual ServerāĀŏFQDN/IPāČćāČĹ'āČňāČžāČŠçŽzeŇşāĹŮāĀĀæŎęčŮŽāĹŮāĀĵāĀŽ

2. āĀŽāĀŘāĀŇPassLogicāĀŏāČęāČĭjāČŮĹĎāĚēāĹŽçŤžéĹāĀŇāČĹāČĀāČd'āČňāČřāČĹāĀŤāČŇāĀĵāĀŽāĀŏāĀġāĀPassLogicāĀ  
āČĹĹāČĹāČşāČŠæĹĭjāĹŮāĀĵāĀŽāĀČ

3. PassLogicāĀŏēĹāŏŏŽāĀŏēāĚāĀġēĹāŏŏŽāĹŮāĀşāČđāČžçŽŏāČŠāČĹāČĭjāČşāĀŇēĹ'sā;ŞāĀŽāČŇāČřāČşāČĹāČd'āČāāČŠāČžāČřā  
āČĹĹāČĹāČşāČŠæĹĭjāĹŮāĀĵāĀŽāĀČĭjĹĹāĹāŽđāĀřçčžēĹāĀŏāĀşāČĀāĀĀĭjşāŽđāĚēāĹŽāĀŽāČŇāĹĚēēĀāĀŇāĀČāČĹāĀĵāĀ

4. ãĈřãĈșãĈĕãĈď'ãĈăãĈŚãĈĆzãĈřãĈĭjãĈĹ'ãĈőĕĹ'ĕĕĭjãĈñãĈĹřãĈĹșãĈŽãĈĆñãĈĹăãĈSSL-  
VPNãĈőĕűŽãĈŮãĈñãĈĎãĈ■ãĈĹãĈŽãĈĆ

5. ĉĎăžÑãĈőĕűŽãĈĹřãĈĹșãĈŽãĈĆñãĈĹăãĈĹțĕĹĉãĈŘșăŷÑãĈñFuijTãĈćãĈď'ãĈșãĈșãĈñĉŘĹãĈĆñãĈĹăãĈřãĈĹăĈĈãĈřãĈŽãĈĆñãĈĹă

## ChromeāČŮāČřāČęāČŮāAŇāČĹ'æŎęčŮŽāAŮāAššāāt'āŘĹ

1. ChromeāČŮāČřāČęāČŮāČšęčŮāŇŤāAŮāĀAPMāAŮVirtual ServerāAŮFQDN/IPāČćāČĹ'āČňāČžāAŇāæŎęčŮŽāAŮāAčāAŽāĀČ
2. āAŽāAŘāAŇPassLogicāAŮāČęāČijāČŮIDāĚēāŁŽčŤžēĹčāAŇāČĹāČĀāČd'āČňāČřāČĹāAŤāČŇāAčāAŽāAŮāAğāĀPassLogicāA  
āČIJāČĚāČšāČšāČēLijāAŮāAčāAŽāĀČ
3. PassLogicāAŮēĹ■āŮŽāAŮēāĚāAğēĹ■āŮŽāAŮāAšāČđāČžčŽŮāČšāČĚāČijāČšāAŇēĹ'sā;šāAŽāČŇāČřāČšāČĚāČd'āČāāČšāČžāČřā  
āČIJāČĚāČšāČšāČēLijāAŮāAčāAŽāĀČřijĹāĹīāŽđāAřččžēĹ■āAŮāAšāČAāĀAřijšāŽđāĚēāŁŽāAŽāČŇāĹēēAāAŇāAČāČĹāAčāA

4. ăĹiăZđæŒěçŭŽæŽĆăAřăĂAăĆřăĆř'ăĆd'ăĆćăČşăČĹăČşăČşăČiăČijăČ■ăČşăČĹăČŞăČĂăĆęăČşăČ■ăČijăČĹ'ăAŮăAęăĂAăĆd'ă

5. ăĆşăČşăČiăČijăČ■ăČşăČĹăČŞăĆd'ăČşăČzăČĹăČijăČňăAŮăAęăĂAęĹ'săſşăAşăăĆřăČiăČČăČřçőĞæĹ'ĂăČşæĹijăAŮăAęăĂAĤ  
Networks VPNăĆŞéŮŇăA■ăAĹăĂZăĂĆ

6. WindowsãAøëĹ■ãóŽãAňãČĹãAčãAęãAřãĂAžëäÿŇãAõãČĹãAĚãAĥãCzãC■ãČěãČĥãČĚãČcãCĭãŘŠãAŇãAğãAĭãAŽãAőãAğãĂãČŠëAÿæŁđãAŮãAĭãAŽãĂČ

7. æŒëçŮŽäÿ■ãAřãžëäÿŇãAõãČĹãAĚãAñëçĹd'žãAŦãČŇãAĭãAŽãĂČ

8. æŒëçűŻãAŻãĈNãAĹãĂÄzëäyNãAđãĈLãAĖãAňãĈŮãĈř'ãĈĸãĈűãAňëãĹçd' žãAŢãĈNãĂAçŢzëĹãĈŘşäyNãAňëtd'ãAĎãĈćãĈd'ã

**MACãŸLãAğEdge ClientãĈŚãĹĹ'çŢĹãAŮãAęSSL-VPNæŒëçűŻãAŮãAŞããĹ'ãŘĹ**

Edge ClientãAřãĂAAPMçõaçŘĖçŢzëĹãAđHomeãĈćãĈd'ãĈşãĈşġġĹLãũęäyLãAđëtd'ãAĎF5ãĈćãĈd'ãĈşãĈşġġĹL'ãĈŚæĹġãAŮãĂAĎow

1. Edge ClientãĈŚëĹũãŢĵãAŮãĂAAPMãAđVirtual ServerãAđFQDN/IPãĈćãĈL'ãĈňãĈzãĈŚçŻzëŇşãAŮãĂAæŒëçűŻãAŮãAĹãĂZ



2. SSL-VPNæŒęűŽãČŠãAŮãAęãAĎãAĹãAŽãĂĆ

3. ãAŽãAŘãAňPassLogicãAđãČęãČijãČŮIDãĚãĹZçTzėĹãAňãČĹãČĂãČd'ãČňãČřãČĹãAŤãČŇãAĹãAŽãAđãAğãĂPassLogicA  
ãČIJãČĹãČšãČŠãĹijãAŮãAĹãAŽãĂĆ



6. æŌěčŮŽāōŇäžEāZāČŇāAĹāĀMACāAōāČāāČŇāČčāČijāČŘāČijāAňètd'āAĎF5āČčāČd'āČšāČšāAŇèqlčd'žāAŤāČŇāĀAāČřā

## 2.2 APMāAĹPassLogicāČřāČř'āČęāČĹ'čŮíĹāAőéĀčæŘžīijNADèĹēlijāČŠāóšæŮ;ā

æIJňčnáāAğāAřāĀAPMāAĹPassLogicāČřāČř'āČęāČĹ'čŮíĹāAőéĀčæŘžīijNADèĹēlijāČŠāóšæŮ;āAŮāAšāāt'āŘĹāAőéĹāōŽāAňāAđ

### 2.2.1 āšžæIJnéĀčæŘžīijNADèĹēlijāČd'āČāāČijāČŸ

APMāAĹPassLogicāČřāČř'āČęāČĹ'čŮíĹāĀADāČřāČijāČŘāAőéĀčæŘžāAōætAāČŇāAřäzēäyŇāAőéĀžāČĹāAğāAžāĀČ

1. APMāAňāČŮāČř'āČęāČŮāA;āAšāAřEdge ClientāAŇāČĹ'æŌěčŮŽ
2. PassLogicāČřāČř'āČęāČĹ'čŮíĹāAőāČĹāČijāČřāČšāČňāČžèĹēlijčTžéíčāAňāČřāČāČd'āČňāČřāČĹāAŤāČŇāČŇ

3. āČĚāČijāČŮIDāČŠāČĚāČĽāČŮāČĽāČČdāČZčZōāČŠāČĽāČijāČšāČřāČřāČĽāČd'āČāČŠāČzāČřāČijāČĽ'āČŠāČĚāČĽāČZāČZāČŇ
4. āČřāČšāČĽāČd'āČāČŠāČzāČřāČijāČĽ'āČŠāČĽāČŇ
5. APMāAňāE■āžĚāČĽāČd'āČňāČřāČĽāAŤāČŇāČŇiijLIDiijEāČřāČšāČĽāČd'āČāČŠāČzāČřāČijāČĽ'āČŠāČĽāČŇiijL'
6. APMāAňāČĽ'PassLogicāČřāČř'āČĚāČĽ'čĽ'ĽāAňRADIUSēl■ēlijæŌēčŮZāAŮāAĽē'sā;ŠāČĚāČijāČŮāAōēl■ēlijčLúæšAāAĽAttri  
GroupæČĚāāšāČŠāRŮāĽŮāAŹāČŇ
7. ADēl■ēlijāČŠāōšæŮ;āAŹāČŇ
8. AD QueryāČŠāōšæŮ;āAŮāAāSēāAğāRŮāĽŮāAŮāAšAttributeāAōæČĚāāšāAŇADāČĚāČijāČŮāAōāČřāČňāČijāČŮāČĚāāšāA
9. 7āAĽāAğččžēl■āAğāA■āAšāČĽ'āAāADāČřāČňāČijāČŮāfŌāAōACLāČŠēAĽ'čŤīāAŮāAšSSL-  
VPNæŌēčŮZāČŠēlāRřāAŹāČŇ

## 2.2.2 APMāAōēŮ;āĽāēl■āōŽ

1. lčňāāAōAPMēl■āōŽāAňāŽŤ'āAňēŮ;āĽāāAŮāAĚāAĎāA■āAĽāAŹāĽCRADIUS Auth āAĽ Advanced Re-  
source Assign āAōēŮšāAō + āČIJāČĽāČšāČŠāČřāČĽāČČāČřāAŮāAĽāAŹāČ

2. **Variable Assign** āČŠēAŷæĽdāAŮāAāAdd Item āČŠæLijāAŮāAĽāAŹāČ

3. **Add new entry** ãĈŠæĹijãĈŮãĈĹãĈŽãĈĀĈ

4. **change** ãĈŠæĹijãĈŮãĈĹãĈŽãĈĀĈ



7. æñqāAñāĀāL'■ćăĚāAğăĲJæĹŘāAŮāA\$ Variable Assign āAőāRşćŽčāAő +  
 āČďāČijāĆřāĆŚāĆřāČřāČČāĆřāAŮāA;āAŽāĀĆ

8. Logon Page āĆŚćAÿæŁďāAŮāĀĀAdd Item āĆŚæĹijāAŮāA;āAŽāĀĆ

9. āAšāAšāAğāAřāČĜāČŤāČř'āČňāČĹěĹ■āőZāAőāA<sub>Ĺ</sub>āA<sub>Ĺ</sub>āĀA*Save* āČĪāČĹāČšāČŚæĹijāAŮāA<sub>Ĺ</sub>āAŽāĂĆ



10. æŋāāAŋADāĆřāČijāČŘāAóæČĚāāśāĆŠĚĚ;āĹāāAŮāAġāAŽāĀĆAccess >> Authentication  
 >> Active Directory āAŋāAęāĀACreate āČIJāĆĚāČśāĆŠæĹijāAŮāAġāAŽāĀĆ Name  
 āAŋāāzzæĎŘāAóāŘ■ġřāĆŠĚĚ;āĹāāAŮāĀAServer Connection āAġ Direct āČŠéAŷæĹđāAŮāĀADomain  
 Controller āAŋADāĆřāČijāČŘāAóIPāĆćāČĹ'āČňāĆzāĆŠĚĚ;āĹāāAŮāĀAFinished  
 āČIJāĆĚāČśāĆŠæĹijāAŮāAġāAŽāĀĆ





14. **AD Auth** **Request** + **Response**

15. **AD Query** **Add Item**

16. **Type** **AD Server**

17. **Branch Rules** āĆ£āČŮāČŠéAÿæŁđāAŮāĀAāČGāČŤāČř'āČňāČĹēĹ■āóŽāČŠāĹ'ĹéŽd'āAŮāAĹāAŽāĀĆ

18. **Add Branch Rule** āČŠāĆřāČřāČČāĆřāAŮāAĹāAŽāĀĆ

19. äzzæĐŘãAőãŘ■ğřãČŠãĚãŁZãAŮãĂAchange ãČŠãČřãČřãČČãČřãAŮãAŁãAŽãĂČ

20. **Advanced** ãČ£ãČŮãČŠéAÿæŁďãAŮãĂAäzëäÿNãAőãČŁãAĚãAňãĚãŁZãAŮãĂA*Finished*  
ãČIJãČ£ãČšãČŠæLijãAŮãAŁãAŽãĂČ

- expr { [mcget {session.ad.last.attr.memberOf}] contains [mcget {session.logon.last.department}] }

21. *Save āČIJāČĚāČšāČŠāČLijāAŮāAġāAŽāĂČ*

22. GroupāŕŎāAŏACLāČŠā;IJāĹŔāAŮāAġāAŽāĂČAccess >> Access Control Lists > User-defined ACLs  
 āAŋāAęāĂAČreate āČIJāČĚāČšāČŠāČLijāAŮāĂAČName āAŋāzzāĎŔāAŏāŔ■ęřāČŠāĚāŁāAŮāĂAČreate  
 āČIJāČĚāČšāČŠāČLijāAŮāAġāAŽāĂČ

23. **User-defined** **Access Control** **Entry**  
 try **Update** **Access Control** **Entry**



24. āAŠāAŠāAğāAřāČĚāČzāČĹāAőāAšāČAāĀAĚāőzāAőçTřāAřāČN2çłóęąđāAőUser-defined  
ACLāČŠēĚ;āĹāāAŮāAęāAĹāA;āAŽāĂČ

25. Visual Policy EditorāAőēĹāőŽāAňāĹzāČĹāĂAAD Query āAőqueryāĹŘāĹšāĚĹāAő +  
āČŠāČřāČřāČČāČřāAŮāA;āAŽāĂČġġĹāĹēāĚāAňāAę AD Query āČŠēĚ;āĹāāAŮāAšāAšāAĹāAğāĂAAdvanced  
Resource Assign āAŇāAřāAŘāAřāČĹāĂAEndingāAŇ Deny āAňāđ'L'āČRāAčāAęāAĎāA;āAŽāĂČġġĹ

26. AD Group Resource Assign āČŠēAÿāĹđāAŮāĂAAdd Item āČŠāĹġāAŮāA;āAŽāĂČ

27. **Server** āAñāAęāĀAēĹ■āōŽæŸĹāA£āAőADāĆġāČijāČŘāAőēĹ■āōŽāĆŠéAŸæĹđāAŮāAĹāAŽāĀĆ

28. **Add new entry** āĆŠæĹijāAŮāĀAGroupsæđāāĆŠāĆĆāAĘäŸĀāAđ'āĹIJæĹŘāAŮāAĹāAŽāĀĆ

29. **New Group** āĀñāžzæĐŘāĀđAD GroupāŘāĆŠāĚěāŁZāĀŮāĀĀAdd **group manually**  
 āĆŠæĹijāĀŮāĀĹāĀZāĀĆ

30. **Static ACLs** āĆĚāČŮāĀñāĀęāĀĹēĹāđŽæŸĹāĀĚāĀđäŸĀāĀđ'āĀđACLāĆŠéĀŸæĹđāĀŮāĀĹāĀZāĀĆ



33. äžěäyŇāAőāČĹāAĚāAňāAĽāČĹāAĹāAŽāĂČ

34. āŘŇæĝŸāAňāČČāAĚäyĂāAd'āAőAD  
āČĹāČĤāČšāČšāĹijāAŮāAĹāAŽāĂČ      group      resource      assignāČšāĹĹāĹāAŮāĂA*Save*

35. EndingāČš **Allow** āAňād'L'æŽt'āAŮāAĹāAŽāĂČ

36. æIJĀċĤĊŻĎĀñăžăÿÑăĀőăĽăĀĖăĀñăĀĽăĽăĀĭăĀŽăĂĈ

37. æIJĀăĭÑăĀñăĂĀApply Access PolicyăĈŚæĽijăĀŮăĀęăĂĀăĈňăĈijăĈňăĈŚăŘ■æŸăăĀĤăĀŽăĀĭăĀŽăĂĈ

## **2.2.3 ĀČřăČř'ăČď'ăČćăČşăČĽăĀŃăĽĽăĀőæŌęćŮŽăČĖăČzăČĽ**

1. ĀČŮăČř'ăČęăČűăĀŃăĽĽ APMăĀőVirtual ServerăĀőFQDN/IPăĈćăČĽ'ăČňăČzăĀñæŌęćŮŽăĀŮăĀĽăĂĈ

2. PassLogicăĀñċŽzéŇşăĀŮăĀşăăČęăĈijăĈűIDăĈŚăĖěăĽăĀŮăĂĀăřĭăĤIJăĀŽăĈŃăĽĽ'ăČąăČď'ăČşăĈŚéĀÿæĽďăĀŮăĂĀăñqăĀ.  
ăĈIJăĈĤăĈşăĈŚæĽijăĀŮăĀĭăĀŽăĂĈ

3. āČďāČzčZōāAñæšĚāAčāAšāČřāČšāČĚāČd'āČāāČŠāČzāČřāČijāČĹ'āČŠāĚěāŁZāAŮāĀAāČ■āČřāČd'āČš  
āČIJāČĚāČšāČŠāĚLijāAŮāAĹāAŽāĀČ

4. ADāAőāČěāČijāČúāŘ■āAĹāČŠāČzāČřāČijāČĹ'āČŠāĚěāŁZāAŮāĀAāČ■āČřāČtāČš  
āČIJāČĚāČšāČŠāĚLijāAŮāAĹāAŽāĀČ

5. F5 Networks VPNãČŠěŮňãČŘ ãČŠěAÿæŁďãAŮãAĽãAŽãĂĆ

6. æŎěçŮŽăÿ■ãAğãAŽãĂĆ



7. SSL-VPNæŮěčŮŽāAŤāČŇāA;āAŽāĂČ

8. GroupæŮāAŮACLāAŇāŘ■æŸāāAŤāČŇāAęāAĎāČŇāAŇāĂAęćžèl■āČŠāAŮāA;āAŽāĂČ

9. **Access >> Overview >> Active Sessions** āAŇāAęāĂASSL-VPNæŮěčŮŽāÿ■āAŮāČęāČijāČŮāÿĂèęāAŇćžèl■āAğāA■āA;āAŽā

10. **Session ID** āĆŠéAÿæŁđāAŻāĆŇāAĹāĀAāzēäÿŇāAőāĆĹāAĘāAñāĆzāČČāĆűāČğāČşāČ■āĆřāAŇèaĹçd'žāAŢāĆŇāAĹ; āAŻāĀĆ

11. **Variables** āAőViewāĆŠæĹijāAŻāAĹāĀAāzēäÿŇāAőāĆĹāAĘāAñāŘĐāĆzāČČāĆűāČğāČşāđ'L'æŢřāAőāĒĒāőzāAŇèaĹçd'žāAŢāĆ

12. āĀĪāĀōāzŮāĀāāČĚāČzāČĹāĀōéŽŽāĀňāĀřāĀāzēäyŇāĀō āČ■āČřāČŠāŘČçĚğāĀŮāĀęäyŇāĀřāĀđāĀĆ
  - āĚĹēĹňçŽđāĀřāČ■āČřijŽ /var/log/ltm
  - APM(ēĹ■ēĹijēŮćéĀč)āĀōāČ■āČřijŽ /var/log/apm
  - PassLogicāČřāČř'āČęāČĹ'čĹĹāĀōāČ■āČřéŮšèęğ