PPVPN WG

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- Mailing List
    - Discussion: **ppvpn@ppvpn.francetelecom.com**
    - (Un)Subscribe: **sympa@ppvpn.francetelecom.com**
        - (UN)SUBSCRIBE ppvpn in the body
    - Sorry : still problem of "automatic replies" for the sender
    - Sorry : not yet a good solution for spam control

- Mail Archive and informal PPVPN server
    - **http://ppvpn.francetelecom.com**
        - WG meeting minutes and presentations, ITU docs
        - **Yokohama agenda with clickable IDs**

Administrativia

- Rick couldn't be here today

- Minute taker :   Ananth Nagarajan

- All : please circulate the blue sheets

- Speakers please :
    - sign the specific paper
    - just overview of IDs, focus on issues and future steps
    - send me your presentation (proceedings, PPVPN informal server)

Current milestones

DONE :

- Formulate a plan, approach SPs for input on scaling, other reqts
- Begin discussion of framework, requirements
- First set of candidate approaches, begin discussion against requirements
- Begin discussion of Applicability Statements (AS)
- **March 02 : Submit L3 framework, L3 reqts -> Info RFCs Submission in June : IESG review now, first comments received on the requirements draft**

NOT DONE :

- **May 02 : Submit L2 reqts to IESG -> Info RFC**
- **May 02 : Begin submit L3 approaches & related AS**
- **Aug 02 : Submit L2 framework -> info RFC**
- **Aug 02 : Begin submit L2 approaches & related AS**
- Dec 02: Charter update or WG disband

MILESTONES will be updated after the meeting

WG documents status

L3 Requirements / L3 Framework

•draft-ietf-ppvpn-requirements-04.txt under IESG review

•draft-ietf-ppvpn-framework-05.txt   under IESG review

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New WG documents after Minneapolis

• Applicability Statements (guidelines, 2547, VR) -> Ananth

• draft-kuhawara-cl-tunneling-vpn-00.txt -> Muneyoshi

   • IESG has referred this ID to PPVPN (Info RFC request from authors), work completion and issues resolution before decision

Expired WG documents

•draft-ietf-ppvpn-l2vpn-00.txt : integrated in L2 framework

•draft-ietf-ppvpn-{rfc2917bis-00, corevpn-disc-00, hiervpn-corevpn-00}.txt

WG documents with status in evolution

•draft-ietf-ppvpn-ce-based-02.txt : evolution to a solution document -> Jeremy

First IESG comments on L3 reqts ID

- MUST/SHOULD/MAY's to be normalised
- To provide/enhance requirements for the VPN membership discovery mechanisms , Internet transparency , routing scalability and stability, address overlapping management

In a number of places :

- CE-based vs PE-based scenarios : the document reads biased towards the PE-based solution.
- PE-based scenario described in a way that presupposes the solution

I'll inform PPVPN about specific comments as soon as I'll receive them

Expected WG documents **soon**

According to my « pragmatic proposal » in the L2 space (mid June)

- draft-andersson-ppvpn-l2-framework-02.txt
- draft-andersson-ppvpn-metrics-01.txt
- draft-augustyn-ppvpn-l2vpn-requirements-00.txt
- draft-andersson-ppvpn-terminology-01.txt (some alignment necessary)

- draft-luciani-ppvpn-vpn-discovery-02.txt (to align with bgp-autodiscovery)

No progress expected soon on L2 vertical solutions

Other possible WG documents (according to meeting and list discussion)

- draft-bonica-l3vpn-auth-03.txt

Design teams

Some problems for low participation of some team members (in L2 solution DT) in this last period

- commitment to active participation is necessary

After some exchanges (AD, SPs, L2 DT) these last two last days,

PPVPN Service requirements team reactivated

- **Just Providers in this phase**
  - a number of Providers from the initial L3 Reqts team plus other Providers
- **Enhancements of current Reqts (answer to IESG comments)**
  - Umbrella Requirements document (common L3 and L2 reqts)
  - improvement of L3-specific and L2-specific reqts (with respective editors)
    - some additional requirements already there
  - input on protocol requirements for the analysis of the (L2) solution space
- **Enhancement of current metrics draft**
  - criteria from a service user perspective for the candidate L2 solution choice
- **September 10th as initial target for the output**

Design teams - cont.

PPVPN Framework : **will see soon according to IESG comments**
- **Currently the Editors in charge**

Applicability Statements (L3) : **will continue its work**
- **Guidelines to be progressed**
- **AS-specific IDs (CE-based IPSec, 2547bis, VR) to be progressed**
  - **review also according to new input on requirements**

Requirements for PPVPN discovery schemes : CLOSED

CE-based IPSec solution(s) DT : no plan for an official team
- **low activity as a (informal) team in this last period**
- **it will not be formed unless emerging needs**

Proposal for the L2 design team

Ex-L2 solution+VPLS reqts teams: not official life as a team

Compromise for progress solution work and consider IESG input (reqts first).
Pure functional work not linked with existing solutions was the ideal target.

Objectives of the group in this first period (September 10th) (extended L2 list)
- improve the L2 framework (editor Loa Andersson) and agree on terminology
- restructure the main identified solutions according to a functional decomposition
    - agree on decomposition and common structure of the solution documents (including considerations on signaling–discovery interactions etc.)
    - new vertical solutions should be aligned with this structure
    - way to identify missing pieces, discuss tradeoffs and functional choices
    - submit the various vertical solution documents in this new shape
- (complete the classification of the L2 various proposals)

2nd phase (September 10- Atlanta deadline) (little teams around each editor ?)
- consider the input from requirements team (reqts, metrics)
- review (and improve) the vertical solutions (possible convergences, issues)
- produce a list of candidate vertical solutions: progress to WG documents – Atlanta
- progress each related AS in parallel

Current main vertical L2 solutions

Need to identify them (but others might come)
For VPWS
For VPLS
(For IPLS)

A possible set of vertical solutions (not all aligned in terms of covered functions)
  • **my pragmatic proposal of L2 WG docs in mid-June**

Martini-trans ID

After discussion at the PWE3 meeting

- **Scott's advice to keep it in PWE3 for PW maintenance stuff**
- **All related VPN functionalities to be discussed in PPVPN**

Need to clarify better how this will run in practice (draft submission etc.)

Need to have a strong cooperation between PPVPN and PWE3 in order to progress in parallel (aligned time schedule), avoiding divergencies and inefficient work

L3 solutions and related AS

- **2547 and VR**
  - **solution documents : no recent updates**
  - **listed the necessary protocol actions**
    - all requirements for extensions or new protocols
    - where present, solution proposal
    - **ADs will assign to appropriate WGs (if any) for review and/or spec**
  - **the related AS progress (possible review according to new requirements)**

  - **some specific documents still in progress (ex. CE-to-CE authentication)**
  - **how to manage new specific documents (ex. multicast)**
  - **2547 and VR documents not aligned in terms of functional specifications**

- **CE-based IPSec VPN**
  - **solution under progress , progress of related AS in parallel**
  - **schedule for standard track to be discussed**

Some issues and areas for progress

PPVPN terminology

PPVPN VPN-ID ? (draft-ouldbrahim-ppvpn-gid-00 etc.)

L2 IPLS and L2 Interworking, alignment with existing bridging specs

Multicast (framework ID to WG document ?, work on solutions)

Quality of service for PPVPNs (initial draft today)

PPVPN Management (initial draft today)

Security framework ?

ITU-T activity on L1/OVPNs

- Q11/13, Q12/15, Q14/15 joint meeting – May, Geneva
  - Identified the context of SG13-SG15 cooperation
  - First work items : Reference model, service definition and terminology, service requirements and architecture, scenarios
- Q11/13 meeting - July, Chitose (Japan)
  - Initial contributions on service scenarios, service definition, service requirements and architecture
- Progress expected in October 02 (SG13 , SG13 meetings)
  - version 01 of new draft Recommendation
  - IETF guys invited as individual contributors
- First (informal) check in December (initial input to IETF ?)
  - Intermediate step : initial Draft document (when ready) could be made available for IETF folks on the informal PPVPN page (plus ad-hoc mailing list)

Estimation of ID progress

- **L3 requirements and Framework IDs :**
    - **Info RFCs**   **< 11/02 ?**

- **Layer 3 VPN solutions :**
    - **WG Last Call for 2547 and VR**   **11/02**
    - **WG doc for CE-based IPSec**   **11/02**
    - **2547 and VR MIBs Last Call**   **>= 11/02**

- **AS for Layer 3 VPNs :**
    - **WG Last Call for 2547 and VR**   **11/02**
    - **WG doc for CE-based IPSec**   **11/02**

NOTE : slide not presented in Yokohama

Estimation of ID progress - cont.

- **L2 Requirements** :
  - **WG Last Call**   **10/02**

- **L2 Framework :**
  - **WG Last Call**   **10/02**

- **L2 solutions** :
  - **WG doc**   **11/02**
  - **WG Last Call**   **3/03**

- **AS for Layer 2 VPNs** : **in parallel with L2 solutions**

NOTE : slide not presented in Yokohama