Taps document 2
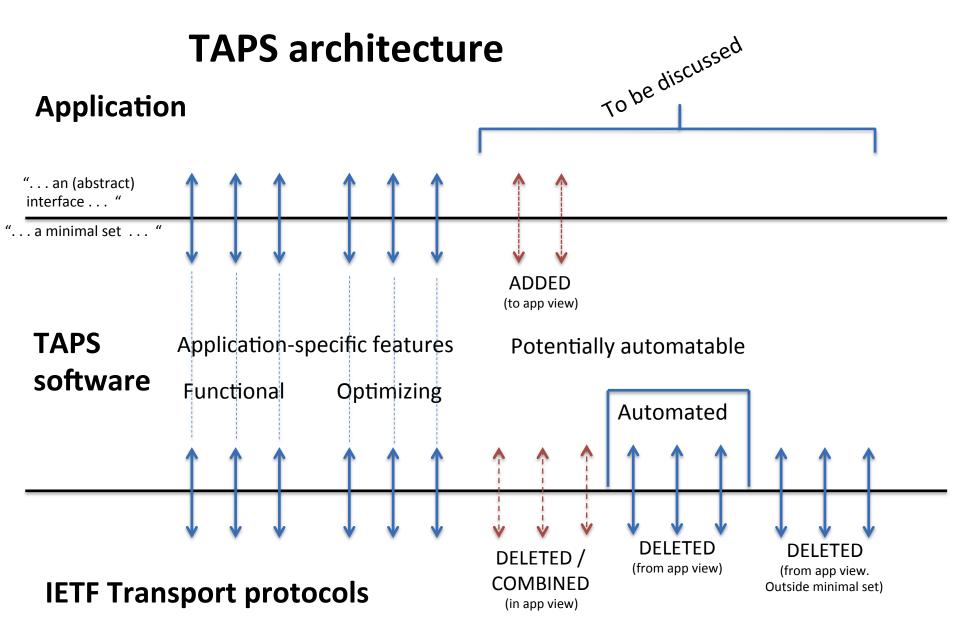## Constructing the minimal required TAPS service set

draft-gjessing-taps-minset-01

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TAPS architecture

Application

To be discussed

"... an (abstract) interface ... "

"... a minimal set ... "

ADDED
(to app view)

TAPS software

Application-specific features

Potentially automatable

Functional   Optimizing

Automated

DELETED /
COMBINED
(in app view)

DELETED
(from app view)

DELETED
(from app view.
Outside minimal set)

IETF Transport protocols

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Two feature sets

Features offered to applications are divided into two groups as follows:

- Potentially automatable
  - It may sometimes be possible to use this feature without support from the application.

- Application-specific
  - It is not possible to use this feature without support by the application.

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Application-specific features

- Functional
  - Using this application-specific feature without explicitly involving the application could lead to incorrect operation.

- Optimizing
  - Use of this application-specific feature allows an application to improve its performance.

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ADDED and DELETED features

- ADDED: Combined/derived features (of DELETED features).

- DELETED: IETF Transport protocol features that are not to be exposed to the user (because they are outside the minimal set, they are automatable or they are added in some other form)

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Occurrences in present draft (TCP+SCTP)
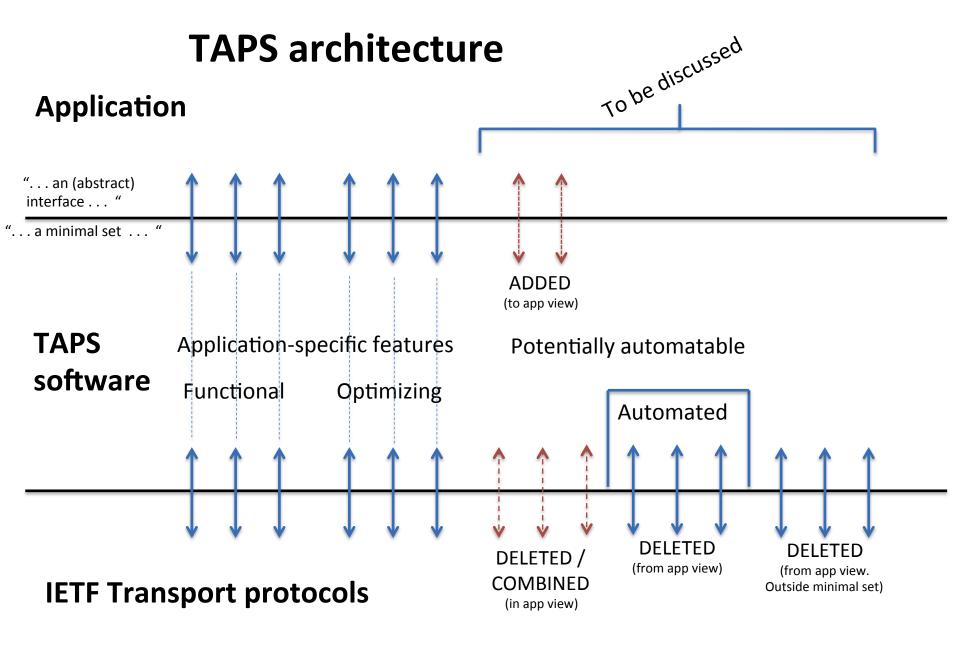
- Functional: 15

- Optimizing: 7

- Potentially automatable: 16

- ADDED: 3

- DELETED: 8

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Examples from present draft (TCP+SCTP)

- Functional: Listen, Reliably send, Close

- Optimizing: Data bundling, Change DSCP

- Potentially automatable: Specify IP options, Listen N, Notify unsent msg.

- ADDED: Connect , Listen, Notify send failure

- DELETED: Specify IP options, Listen N, Notify unsent msg.

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ADDED
(to app view)

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DELETED /
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(in app view)

DELETED
(from app view)

DELETED
(from app view.
Outside minimal set)

Thank you.

QA - Discussion

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