

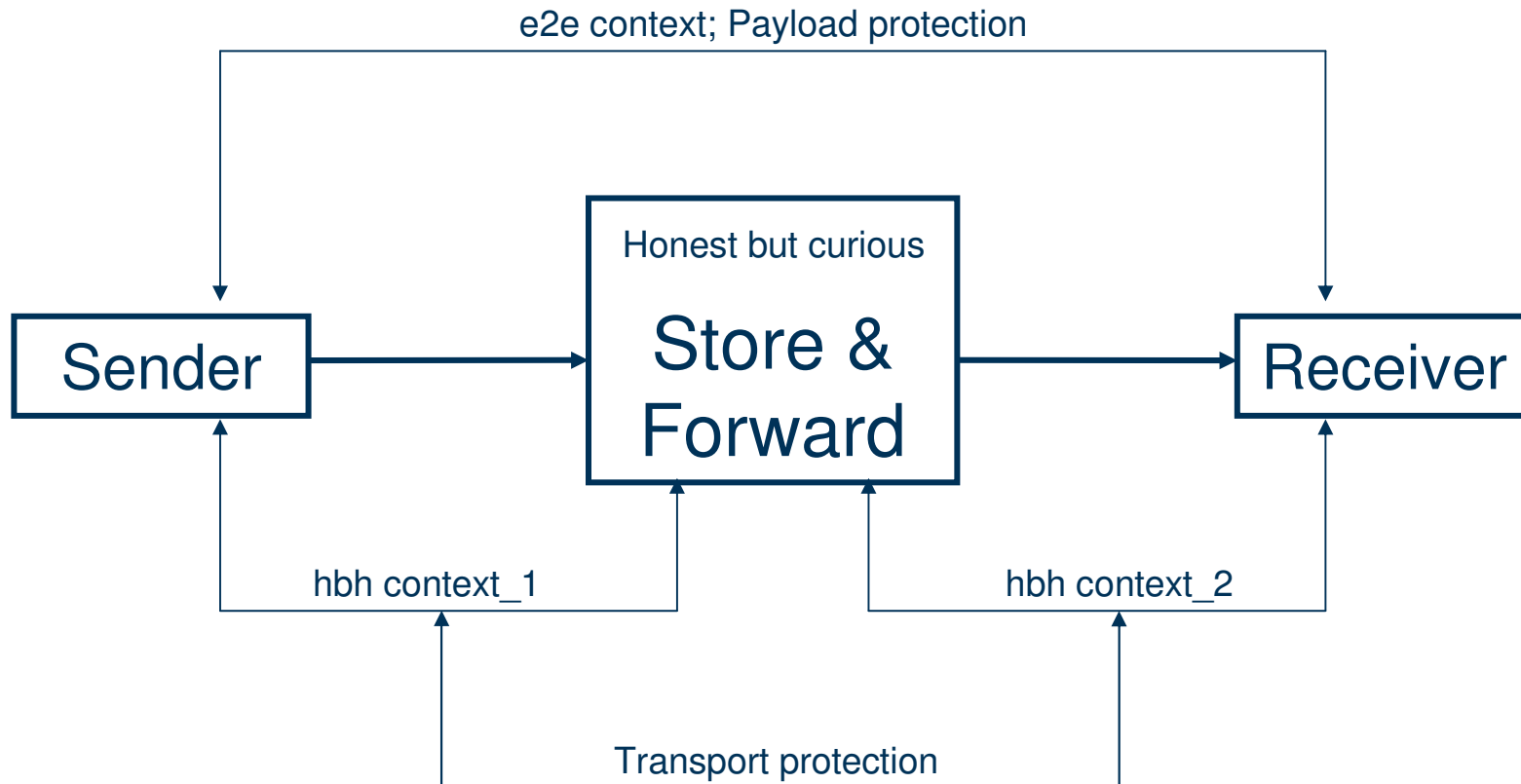
# SRTP Store and Forward

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# Trust Model and Assumption

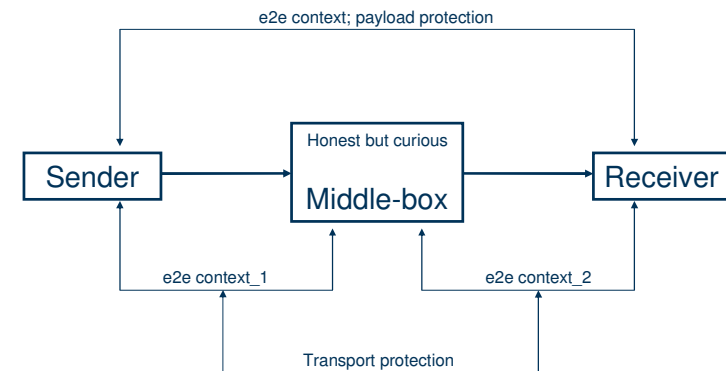
## Store and forward



# Use cases

## Examples

- Answering machine
  - Storing/caching encrypted media
  - Transport protection
  - Playback of encrypted media; Random seek
  - Multiple callers
- Centralized conferencing
  - Non trusted conference bridge
  - Push-to-talk
- Pre-encrypted media distribution



# Requirements

## Inner protection transform (~ new SRTP transform)

- Transport independent media protection
- Playback of protected media

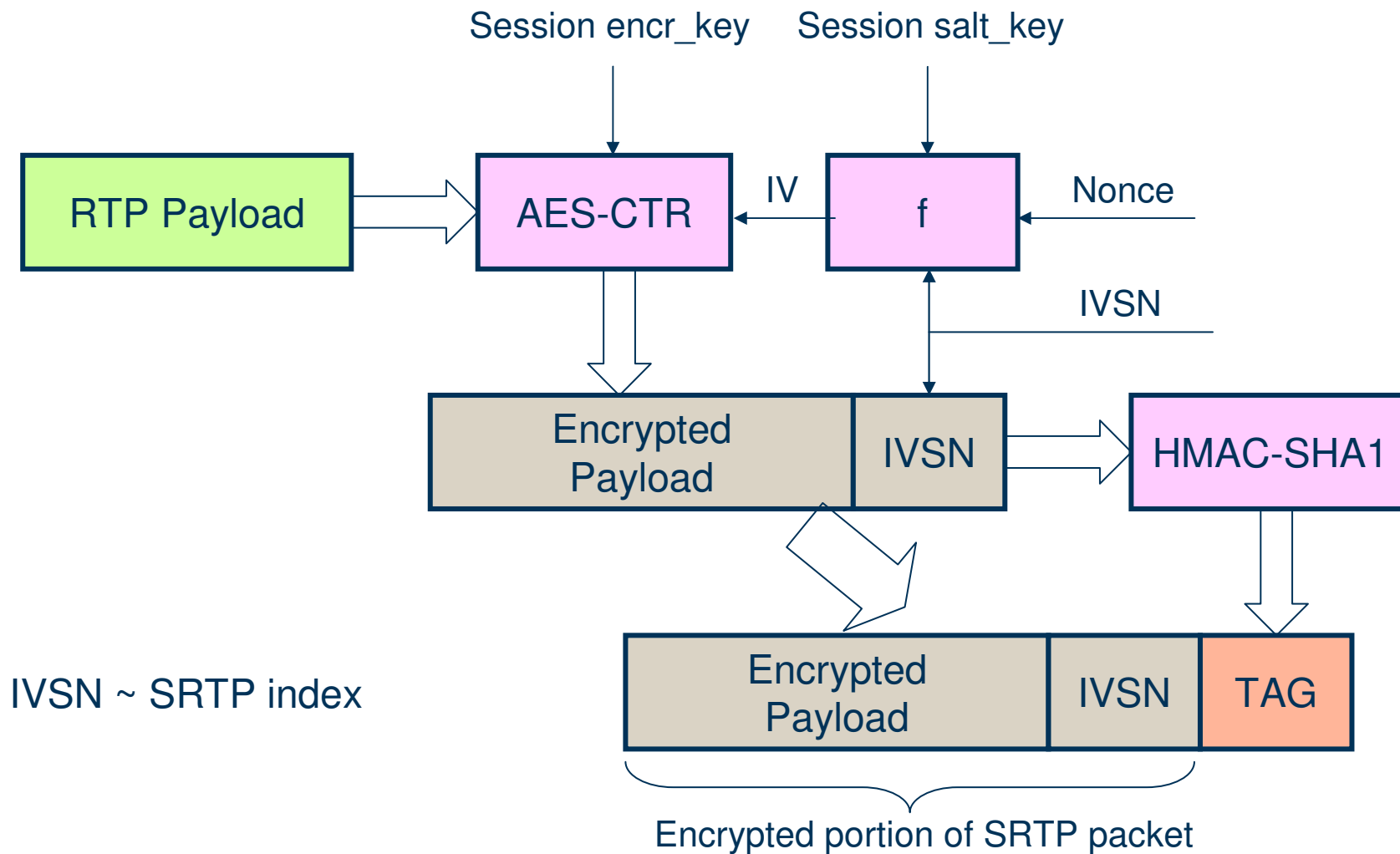
## Outer protection transform (~ current SRTP)

- Transport protection

## Combined inner and outer transforms

- Separation of security contexts
- Switching between different media security context

# Inner protection transform



# Outstanding issues

- Combined inner and outer transforms
  - Minimal impact on SRTP framework
  - Handling of independent inner and outer protection transforms
  - Keying and handling of independent security contexts
  - Switching between security contexts