## Combining FIDO®/CTAP2 with a Payment Wallet

This presentation outlines how the FIDO®/CTAP2 API and the W3C WebAuthn standard could be augmented with meta data holding virtual payment cards.

The authorization system builds on an enhanced EMV® concept, where a card can represent any account based payment scheme, including the international card networks and SEPA, as well as national networks.

Although not shown here, a card is after registration, also intended to be usable for payments at the counter (POS). P2P payment support is also in scope.

A detailed description of the actual data exchanges and wallet data is available at: <a href="https://fido-web-pay.github.io/">https://fido-web-pay.github.io/</a>

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FIDO and EMV are registered trademarks of the FIDO alliance and EMVCo respectively

## Wallet – Non-normative UI Sample

Integrated payment experience extending the UI compared to current payment terminals.

The very same UI and security solution is used regardless if paying online or locally.



\* Only cards matching the payment networks supported by the merchant will be shown

# Wallet – Enhancement of EMV Card Data



The variables above are the only elements that protocol wise separate user authorizations for different payment networks, while from the user's perspective, only card images differ.

This work is herby put in the public domain

## Wallet - Virtual Card Enrollment



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## Wallet – Online Payment Authorization

