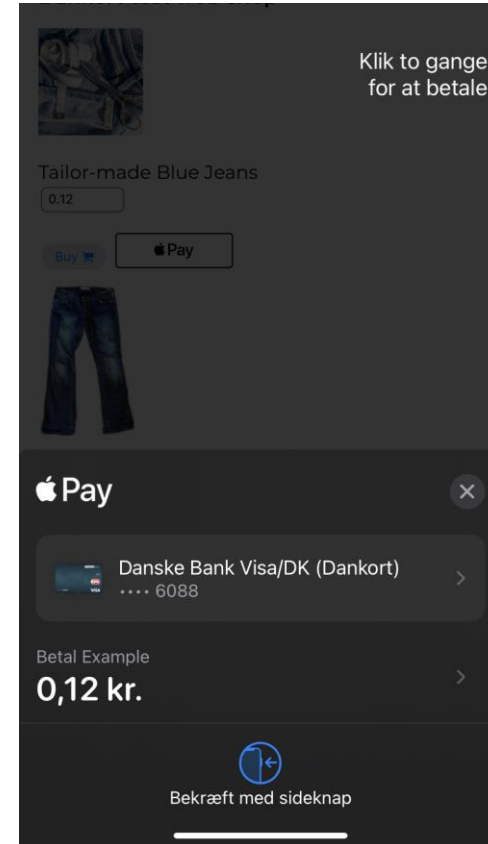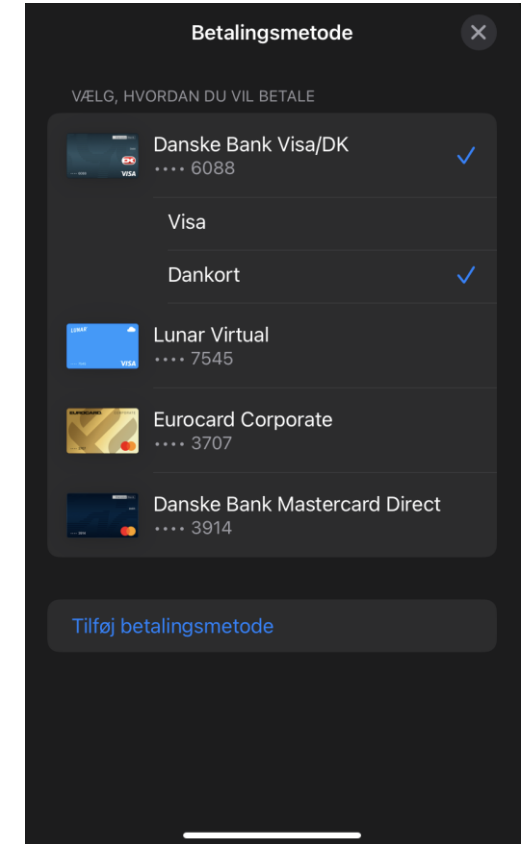# Adding Dankort to Apple Pay checkout - requirements (1)

Merchant checkout: Add "dankort" to "supportedNetworks"

- In the Payment Request (PKPaymentRequest) sent to Apple, "dankort" must be added to the "supportedNetworks" field. Apple Pay will then give the user the option to choose the Dankort side of a Visa/Dankort in the card selection prompt (requires iOS 15.4+) if the user has such a card.

- The *default payment network* is determined by the order of networks in supportedNetworks. First one will be default if the user has a card of that type, otherwise it will be the next one (etc.). This won't override the user's default card selection.

The Apple Pay overlay will appear as normal…

… but both sides of the co-badged card available if the user clicks card selection

Adding Dankort to Apple Pay checkout – requirements (2)

Merchant checkout: Check device support

- Apple recommends checking if the iOS version supports "dankort" (and other networks) by trying to create a test Apple Pay session with that network.

- The code examples on this and the following slide show how to do this check using a checkNetwork() function.

- Note that this method may not be clear from Apple's developer documentation.

- This methods means that it is not necessary to check API version.

Code example (see checkNetwork next slide)

```
// Build the desired set of supported networks
let supportedNetworksArray = ["dankort", "visa", "mastercard"];

// Build the payment request, filtering out unsupported networks
let paymentRequest = {
  ...
  supportedNetworks: supportedNetworksArray.filter(checkNetwork),
  ...
};
```

nets

Adding Dankort to Apple Pay checkout – requirements (3)

Code example – function to check if a network is supported

```
// Test whether a session can be created with a basic ApplePayPaymentRequest
function checkNetwork(network) {
  let testNetworkPaymentRequest = {
    "countryCode": "DK",
    "currencyCode": "DKK",
    "merchantCapabilities": ["supports3DS"],
    "supportedNetworks": [network],
    "total": {
      "label": "Example",
      "type": "final",
      "amount": "1.00"
    }
  }

  try {
    // It is possible to create a new session many times with different
    // configurations as long as session.begin() is not called.
    new ApplePaySession(3, testNetworkPaymentRequest);
    return true;
  } catch {
    return false;
  }
}
```

nets

Adding Dankort to Apple Pay checkout - requirements (4)

Authorization

Except for the below, authorizations are constructed in the same way as Visa Apple Pay authorizations sent to Nets frontend:

- When Apple Pay returns "dankort" as network, route the authorization to Nets (Dankort acquiring). The token BIN range will be 357106, 357107 or 50190000. The token PAN will be 19 digits.

- No SCA exemption should be set (field 47 tag V!).

- Submit the cryptogram from Apple Pay as Token cryptogram (tag C3)

- Wallet identifiers (tag 7R and 7J) are not required.

- Tag A6 must be set to DK (as for other Dankort payments)

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Adding Dankort to Apple Pay checkout – optional

If the merchant wants to display the Apple Pay button conditionally the below options are available.

App channel:

- Merchants can use the canMakePayments(usingNetworks: [PKPaymentNetwork]) functionality to check if an active card from a select set of networks is available.

Web channel:

- The check is less granular, only allowing merchants to check whether an active card from any network is available via the canMakePaymentsWithActiveCard API.

nets