

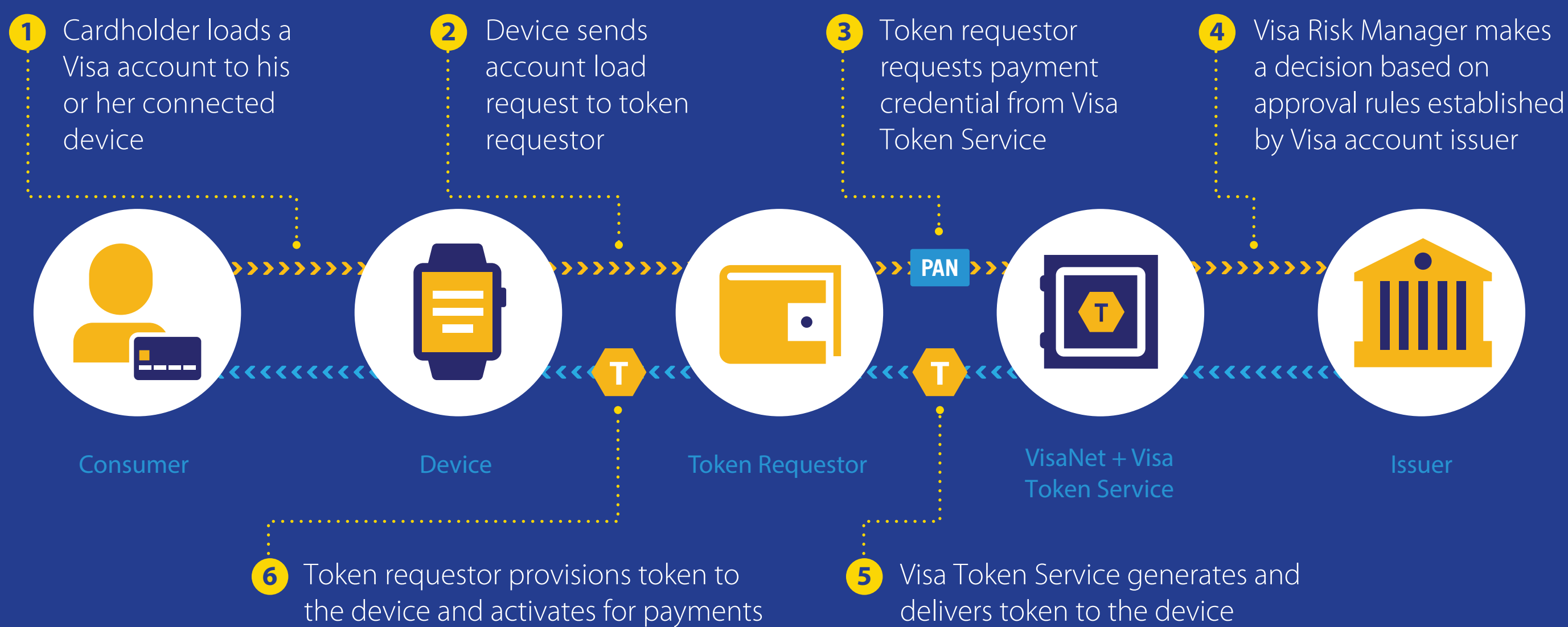
How Things pay for things

By the year 2020, the Internet of Things (IoT) will consist of more than 20.8 billion devices,¹ including mobile phones, wearable technology, home appliances and cars. Each device is a potential way to pay, and Visa is enabling new payment opportunities with security in mind.



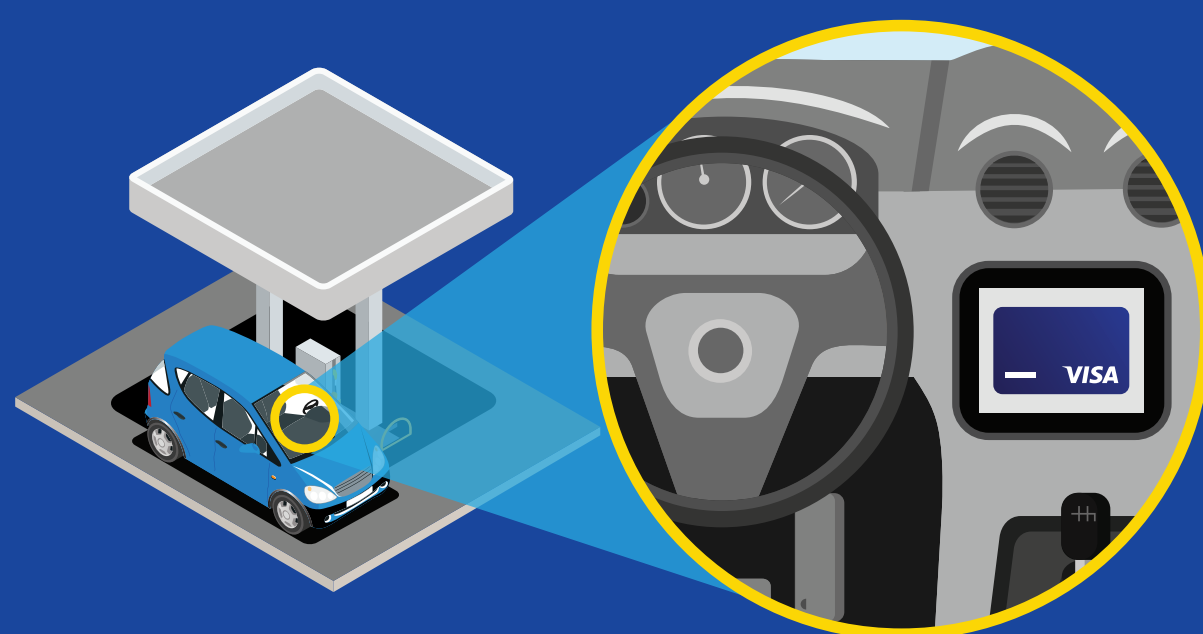
Powering Things to pay

Before that smart device around your wrist, in your garage or on your wall can buy something, it needs to be payment-enabled. Visa secures payment functionality for the Internet of Things using Visa Token Service. In the diagram below, IoT Token Requestors guide device manufacturers through Visa Ready certification.



PAN Payment Account Number (PAN) **T** The token is a surrogate value of a PAN

Once activated, a device can make payments, meaning one *thing* (a connected car) can pay for another *thing* (gas).



Disclaimer: This depiction includes concepts under continuing development.

Enabling Things globally

Token Service Providers (TSPs) are expanding access to the world's most innovative payment solutions. They accelerate the adoption of secure digital payments, making it possible for payment innovators to quickly and easily turn any device in the market into a payment device.



TSPs are third-party, Visa-compliant businesses that expand access to Visa Token Service across the globe by providing products, services and solutions to issuers and token requestors.



Token Requestor TSPs assist token requestors in integrating and using tokenization in their digital payment solutions.



Issuer TSPs perform token-related tasks on behalf of issuers.

As Internet-of-things devices, mobile devices and mobile wallets proliferate, there is a huge opportunity for new entrants to the payment space to offer digital payments. The Token Requestor and Issuer TSPs will help scale secure, digital payments and streamline the process for new entrants into the space.

¹ <http://www.gartner.com/newsroom/id/3165317>