Offload network and authn/authz functionality to the sidecars

No application changes required!
Inside the sidecar

The sidecar container runs two processes:

- The **Envoy** proxy
- The **istio-agent**
The agent generates an x.509 certificate with the SPIFFE identity, a private key, and sends a CSR for signing.
istiod as a Registration Authority

istiod validates the certificate and authenticates the client making the request, then forwards the CSR to the CA to have it signed.
Certificate signing

The CA signs the certificate and returns it.
Push certificate to the proxy

When the signed certificate is received, the agent pushes it to the proxy.
Demo time!
Thank You

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For any further queries, feel free to contact us at info@tetratiio.io