

Typescript Function

What are Typescript Functions?

Typescript Functions are decentralized cloud functions. They enable developers to execute on-chain transactions based on arbitrary off-chain data (APIs / subgraphs, etc) & computation. These functions are written in Typescript, stored on IPFS and run by Gelato.

Typescript Functions enable automation in conjunction with the various trigger types outlined on our [Trigger Types](#) page.

Essential Role of Typescript Functions

- Seamless Integration with Off-Chain Data:
- They provide an elegant solution for incorporating real-time data from the outside world, enabling smart contracts to respond to external events and changes.
- Enhanced Computation Capabilities:
- Typescript Functions allow for complex calculations that would be too gas-intensive to perform on-chain, facilitating more sophisticated decision-making processes in your DApps.
- Customizable Logic Execution:
- Developers can bring the full power of Typescript to create flexible advanced logic to deliver their application use cases.
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Next steps

Head over to our quick start guide and get hands on with writing typescript functions:

[Writing Typescript Functions](#)

When you use an on-chain event to trigger your Typescript function you can tap into the full context of this event - learn more here:

[Event Trigger](#)

[Previous Trigger Types](#) [Next Solidity Function](#) Last updated 4 months ago On this page *[What are Typescript Functions?](#)*
[Essential Role of Typescript Functions](#) * [Next steps](#)