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Solidity Function

What are Solidity Functions?

Solidity functions are essentially a piece of logic written in Solidity that determines whether certain conditions are met to execute a task.

Solidity Functions enable automation in conjunction with the various trigger types outlined on our Trigger Types page.

Essential Role of Solidity Functions

- Ensure Precision
- : They ensure that functions are triggered only when the right conditions are met.
- Boost Efficiency
- : By automating repetitive and conditional tasks, they save time and resources.
- Enhance Flexibility
- : Developers can encode a variety of conditions, allowing for a wide range of automated functionalities.
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Scenarios for Solidity Function Automation

1. On-Chain Logic is Required:
2. Use them when the logic for your automation needs to reside entirely on the blockchain.
3. Fine tune gas price:
4. Limit the gas price of the execution ensuring your automation doesn't overpay network fees.
5. Security and Immutability are Key:
6. Automated tasks that require the highest level of security benefit from Solidity's immutable contract execution environment.
7.

Next steps

Head over to the quick start on how to write Solidity Functions: Writing Solidity Functions

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