

LIMITATIONS OF SALESFORCE APEX

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General Apex Limits

SOQL Queries and Records Retrieval

- Total number of SOQL queries issued: 100
- Total number of records retrieved by SOQL queries: 50,000



General Apex Limits

🚫 DML Statements and Records Processing

- Total number of DML statements issued: 150
- Total number of records processed as a result of DML statements: 10,000

CPU Time and Callouts

⊘ CPU Time and Execution Time

- Maximum CPU time on the Salesforce servers: 10,000 milliseconds
- Maximum execution time for each Apex transaction: 10 minutes



CPU Time and Callouts

Callouts

- A single Apex transaction can make a maximum of 100 callouts to an HTTP request or an API call.
- Default timeout for callouts: 10 seconds

Email Invocations and Heap Size

Email Invocations

- Total number of sendEmail methods allowed: 10

Heap Size

- Total heap size: 6 MB

Governor Limits

Governor Limits

- Apex runs in a multitenant environment, strictly enforcing limits to prevent runaway code.
- If Apex code exceeds a limit, a runtime exception is issued.

Bulk API

Bulk API

- For Bulk API transactions, the effective limit is the higher of synchronous and asynchronous limits.

Additional Considerations

Scheduled Apex

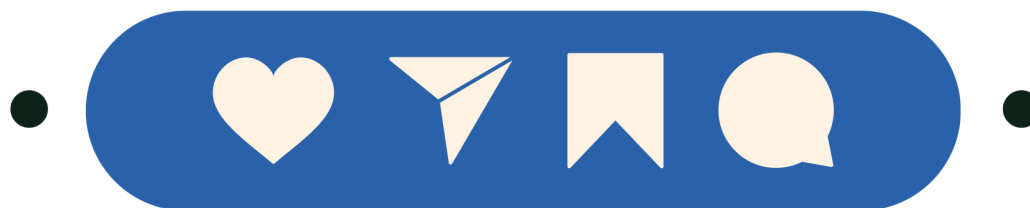
- Although scheduled Apex is asynchronous, synchronous limits apply to scheduled Apex jobs.

Optimizing Code Efficiency

- Be mindful of these limits when designing and optimizing your Apex code.

THANK YOU

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