

Asynchronous operations with OpenSIPS 2.1

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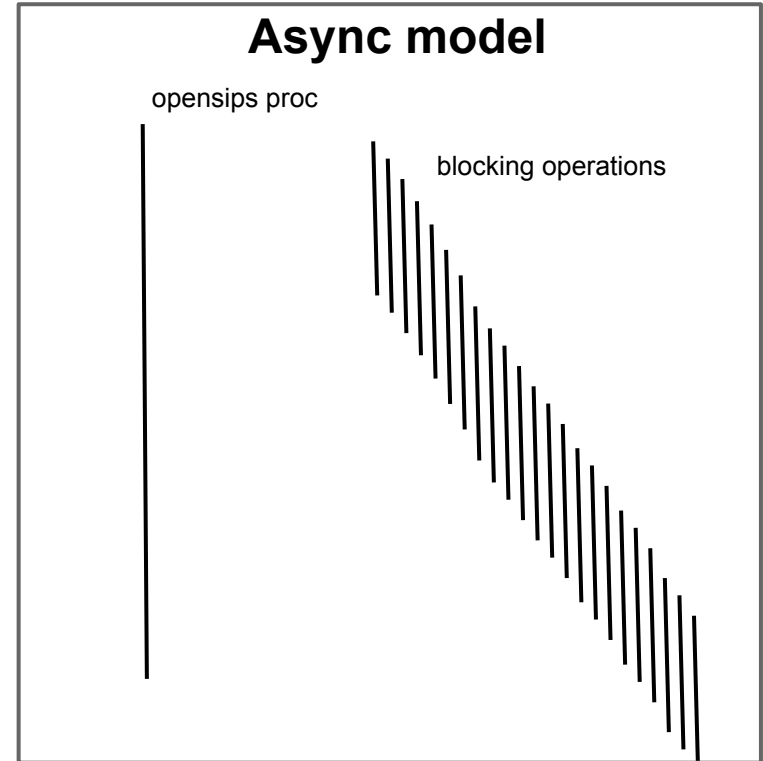
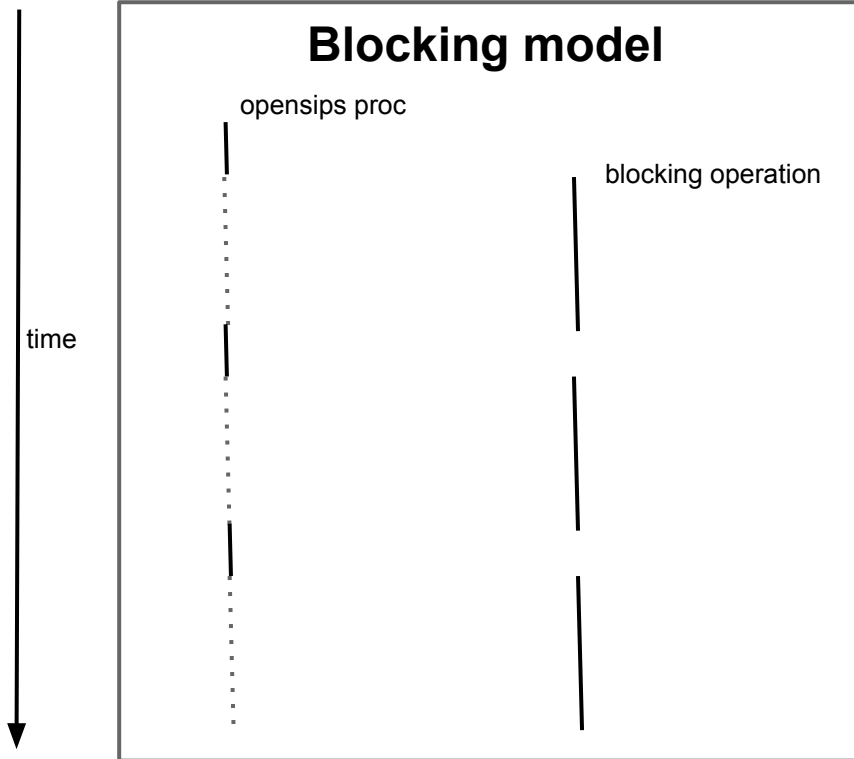
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Description

- script functions which also have the ability to run “in the background”
- triggered via the **async()** script statement

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Usage

- `async(blocking_function(...), resume_route);`
 - `avp_db_query`
 - `rest_get`
 - `exec`
 - `radius`

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Requirements (implementation details)

- runs on top of the TM module
- all `async()` calls will automatically create the SIP transaction
 - `async()` will break the script and run the `resume_route` when the OP is finished

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Pros

- dramatically improves scalability of OpenSIPS scripts with blocking ops
- better resilience to external service failures
- better usage of system resources

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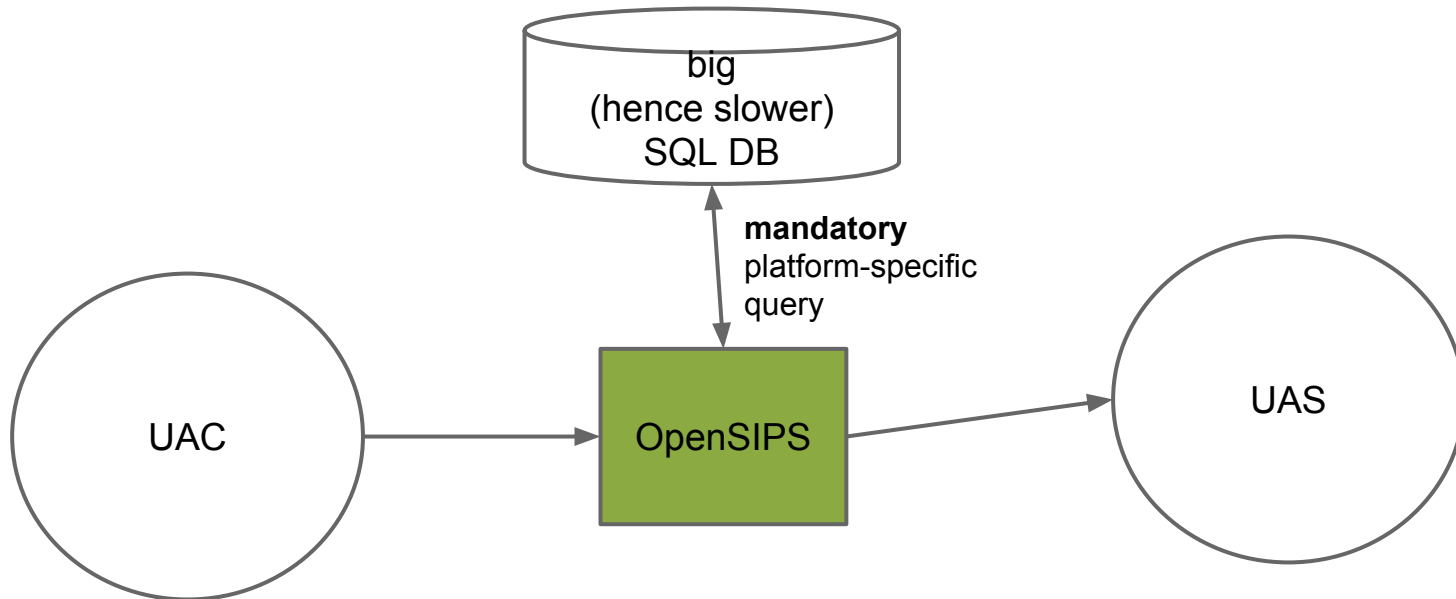
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Cons

- suspend-resume type of OpenSIPS script logic
 - \$var are not safe to be used
 - rely on \$avp for porting the data after the resume_route is run
- library support is usually limited
 - MySQL official documentation doesn't even mention async!

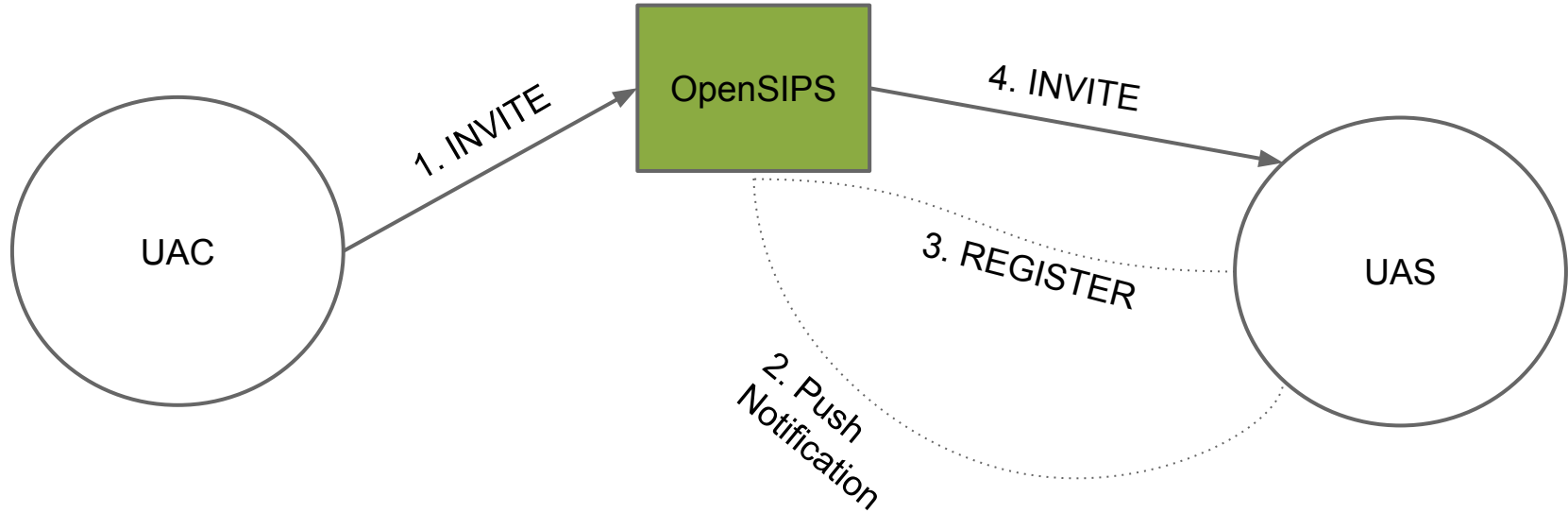
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