

# What documentation of sequence diagrams should contain



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## Question

[VA Secure Design Review SOP](#) requires sequence diagrams to be provided in supporting documentation when requesting the development of initial application threat models, but what information should this include?

## Answer

The objective of requiring documentation is to obtain sufficient information to develop an initial application threat model. Sequence diagrams assist in determining potential threats associated with how components are programmatically integrated.

This documentation should depict the basic interactions between application / solution components in the order they occur. The additionally-required readme file should then explain where to find this information within provided documentation.

This documentation need not be presented in any particular or formal way. It does not need to be necessarily strictly compliant with for example UML diagramming requirements.

However, the application needs to be decomposed into for example:

- Application processes, threads, services
- External components such as web browsers, third-party applications and services
- Data stores such as relational and non-relational databases, file systems

And, interactions need to specify interface types (e.g. API calls, communication protocols).

## References

- [VA Secure Design Review SOP](#)

Microsoft Threat Modeling Tool Version	2016 and later
Threat Modeling Tool Design View Topic	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Threat Modeling Tool Analysis View Topic	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Supporting Analysis Documentation Topic	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other Related Topic	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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