

Language server

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graph TD; TCP[TCP handler] -- uses --> Dispatcher[Dispatcher]; Dispatcher -- uses --> RM[Request manager]; RM -- runs --> Request[Request]; RM -- uses --> Server[Server]; DAP[DAP server] -- implements --> Server; LSP[LSP server] -- implements --> Server; DAP -- uses --> DAP_F[DAP features]; LSP -- uses --> LSP_F[LSP features]; DAP_F -- implements --> Feature[Feature]; LSP_F -- implements --> Feature; Feature -- uses --> Server; DAP_F -- use --> TCP; LSP_F -- use --> TCP;
```

The diagram illustrates the architecture of a Language Server (LSP) and its interaction with a DAP (Debug Adapter Protocol) server. The components and their relationships are as follows:

- TCP handler**: The entry point for network communication, which **uses** the **Dispatcher**.
- Dispatcher**: Receives requests and **uses** the **Request manager**.
- Request manager**: Manages incoming requests, **runs** a **Request** object, and **uses** the **Server**.
- Server**: The central component that **implements** the **DAP server** and **LSP server** interfaces. It **uses** the **Feature** interface.
- DAP server**: Implements the **Server** interface and **uses** **DAP features**.
- LSP server**: Implements the **Server** interface and **uses** **LSP features**.
- DAP features**: A stack of feature objects that **implements** the **Feature** interface and **use** the **TCP handler**.
- LSP features**: A stack of feature objects that **implements** the **Feature** interface and **use** the **TCP handler**.

