DECLARATIVE DIAGRAMMING (D2) CHEAT SHEET

TD2

| Getting started | Advanced |
|--|---|
| <pre># introduction hello -> world ······> world</pre> | <pre># special shapes ## classes</pre> |
| <pre># labels on nodes hello: hi # labels on connections hello -> world: bye</pre> | D2 AST Parser: { shape: class +prevRune: rune prevColumn: int +eatSpace(eatNewlines bool): (rune, error) unreadRune() \#scanKey(r rune): (k Key, _ error) } Classes have special syntax + for public visibility for private # for protected |
| <pre># chained connections a -> b -> c</pre> | <pre>## tables board: { shape: sql_table id: int {constraint: primary_key} frame: int {constraint: foreign_key} diagram: int {constraint: foreign_key}</pre> |
| <pre># containers. there 2 ways of making containers ## 1st: add "." anywhere (quick and easy method) aws.server </pre> | board_objects: jsonb imme initial constraints: for ergin_keyj board_objects: jsonb imme initial constraints: for ergin_keyj last_updated: timestamp with time zone imme initial constraints: for ergin_keyj dsl: text imme initial constraints: for ergin_keyj } imme initial constraints: for ergin_keyj pro tip: You can define relationships between tables by: imme initial constraints |
| <pre>## 2nd: create a map (more structured method) aws: { server } </pre> | <pre>diagram: { shape: sql_table id: int {constraint: primary_key} } board.diagram -> diagrams.id</pre> |
| pro tip: make sure you reference the container to target a child aws: { server | <pre># markdown and code - Usually, when you give shapes a value, they're treated as labels, e.g. `a: b` - However, you can also give it a Markdown-style block syntax, or define a language tag ## markdown</pre> |
| <pre># reserved keywords list myNode: {shape: circle}</pre> | a: ` |
| <pre>pro tip: some keywords are reserved, for example "label" and "shape." You can choose from any of these shapes: hexagon: {shape: hexagon} queue: {shape: queue} package: {shape: package} cylinder: {shape: cylinder} page: {shape: cloud} etc. choose any shape in the shapes panel</pre> | <pre>D2 renders this as Markdown text with no border. ## code a: `go func() { fmt.Printf("hello") }() D2 renders this as a code block</pre> |
| <pre># comments # to do</pre> | <pre># full language specifications <u>https://d2-lang.com</u></pre> |

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