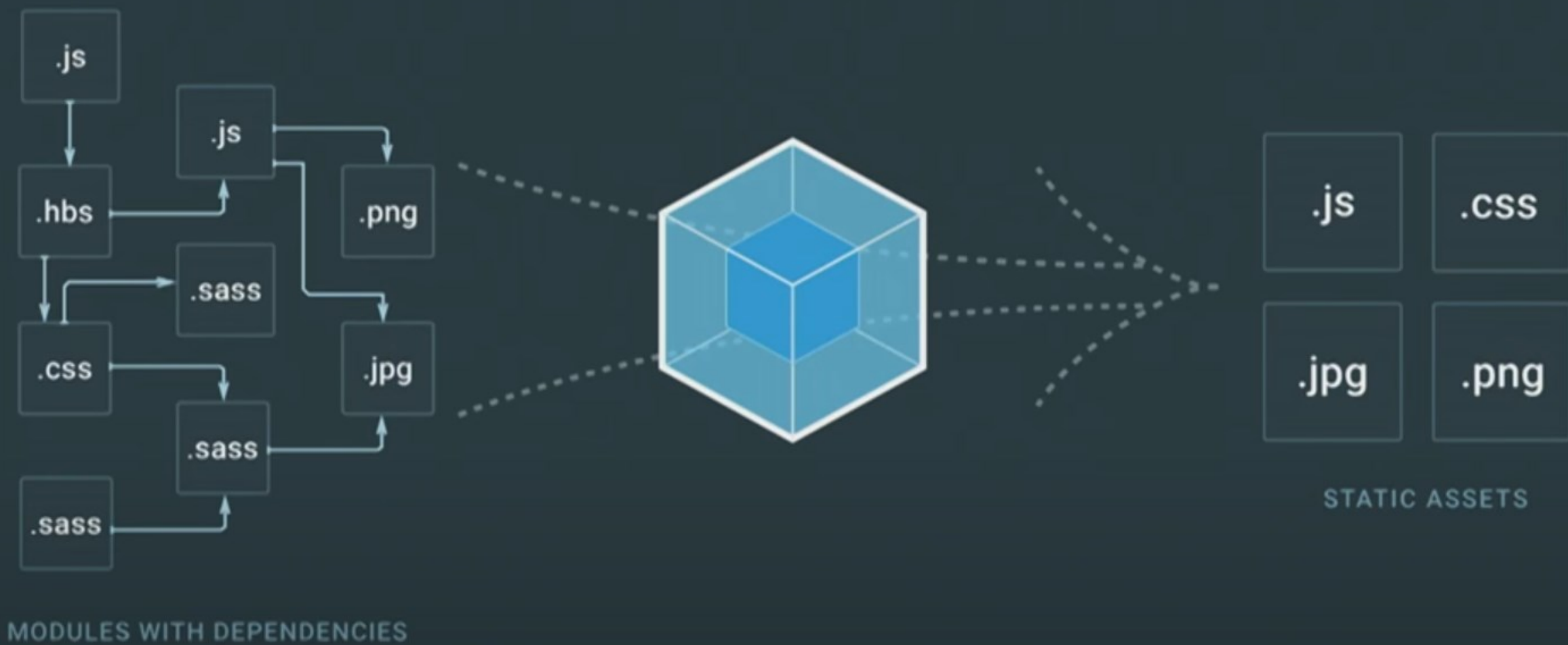


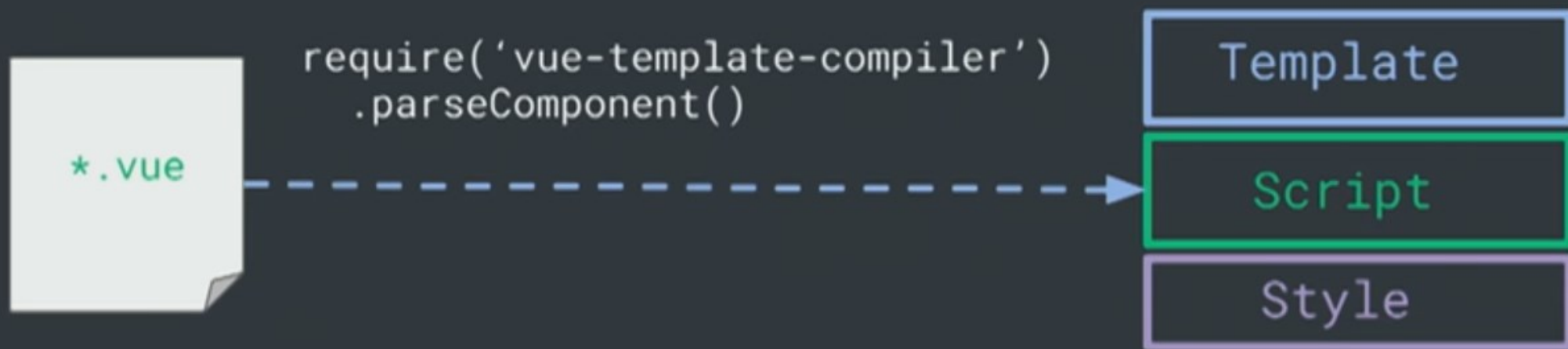
UNDERSTANDING COMPONENTS

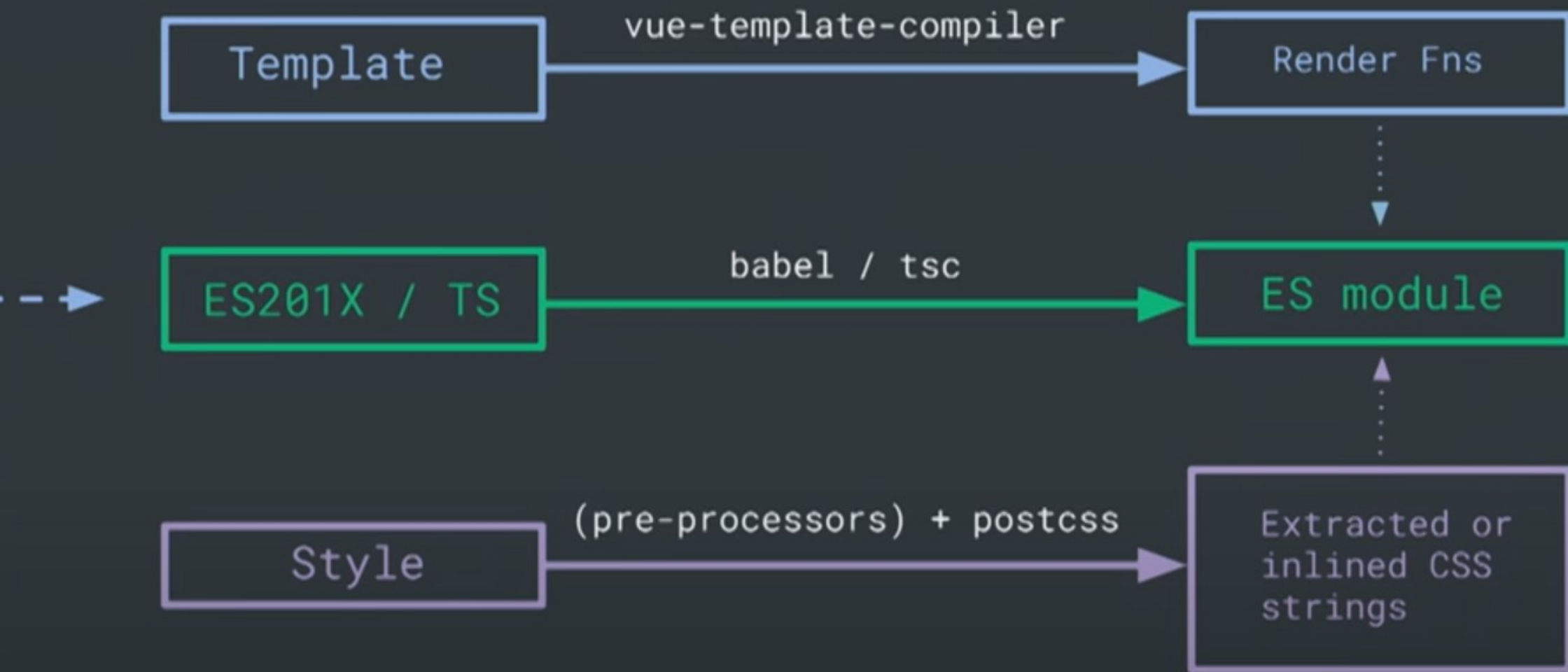


So how does it work?

webpack & vue-loader







Render Function:

A function that returns Virtual DOM.

Virtual DOM:

A lightweight JavaScript data structure to represent what the actual DOM should look like at a given point in time.

Initial Render

Template

- > (compiled into) Render Function
- > (returns) Virtual DOM
- > (generates) Actual DOM

Subsequent Updates

Render Function

- > (returns) New Virtual DOM
- > (diffed against Old Virtual DOM) DOM Updates
- > (applied to) Actual DOM

Template -> [Compiler] -> Render Function

```
{  
  type: ELEMENT,  
  tag: 'div',  
  attrs: {},  
  children: [  
    {  
      type: EXPRESSION,  
      Value: 'msg'  
    }  
  ]  
}
```

```
"return createElement('div', {}, [createText(msg)])"
```

(Not exactly what Vue produces internally - simplified for brevity)

