

V8 Pwn Cheat Sheet

V8 version

```
commit d8914f7033295aa02fa72a73344e84edff87c70a (HEAD, tag: 10.5.1)
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```

Version 10.5.118

Change-Id: I7d0574b460ea4c42ede4227d2ad3cd27f461b23b
Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/>
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Cr-Commit-Position: refs/heads/10.5.118@{#1}
Cr-Branched-From: db3e14d3a231a1cf9eec888cf0a950aecf4a6d0b-ref

Map

- [map.h](#), [map.tq](#)
 - [descriptor-array.tq](#)
 - [PropertyDetails](#)
 - If object has fast mode properties, PropertyDetails contains a property index
 - [AccessInfoFactory::ComputeDataFieldAccessInfo](#)
 - PropertyValue may contains Weak<Map>

Objects

- [objects.h](#)
 - [HeapObject](#)
 - [JSReceiver](#)
 - [JSObject](#)
 - [JSArray](#)
 - [JSArrayBuffer](#)

Inline Cache and Map Transition

- [illegible]

- MapUpdater::UpdateFieldType
 - DescriptorArray::Replace
 - update
 - MapUpdater::ConstructNewMap
 - Map::DeprecatedTransitionTree
 - duplicate map
- Object::AddDataProperty
 - Object::PrepareTransitionToDataProperty