

# rootJS Architecture

```

classDiagram
    class ROOT_Application["ROOT::Application"]
    class ROOT["ROOT"]
    class NodeApplication["«Singleton» NodeApplication"]
    class ClassHelper
    class FunctionHelper
    class ProxyObjectFactory
    class TemplateFactory
    class ProxyFunctionFactory
    class ProxyObject
    class ProxyFunction
    class TemplateProxy
    class EnumProxy
    class StructProxy
    class ArrayProxy
    class PointerProxy
    class ReferenceProxy
    class PrimitiveProxy
    class NumberProxy
    class StringProxy
    class BooleanProxy
    class node_ObjectWrap["node::ObjectWrap"]

    ROOT_Application <|-- NodeApplication
    NodeApplication <|-- ClassHelper
    NodeApplication <|-- FunctionHelper
    NodeApplication --> ProxyObjectFactory : 1
    NodeApplication --> TemplateFactory : 1
    NodeApplication --> ProxyFunctionFactory : 1
    ProxyObjectFactory --> ProxyObject : creates
    TemplateFactory --> V8["V8"] : uses
    ProxyFunctionFactory --> ProxyFunction : creates
    ProxyObject <|-- TemplateProxy
    ProxyObject <|-- EnumProxy
    ProxyObject <|-- StructProxy
    ProxyObject <|-- ArrayProxy
    ProxyObject <|-- PointerProxy
    ProxyObject <|-- ReferenceProxy
    ProxyObject <|-- PrimitiveProxy
    PrimitiveProxy <|-- NumberProxy
    PrimitiveProxy <|-- StringProxy
    PrimitiveProxy <|-- BooleanProxy
    ProxyObject --> node_ObjectWrap
  
```

**ROOT::Application** (Class)

**ROOT** (Class)

**«Singleton» NodeApplication** (Class)

**ClassHelper** (Class)

**FunctionHelper** (Class)

**ProxyObjectFactory** (Class)

**TemplateFactory** (Class)

**ProxyFunctionFactory** (Class)

**ProxyObject** (Class)

**ProxyFunction** (Class)

**TemplateProxy** (Class)

**EnumProxy** (Class)

**StructProxy** (Class)

**ArrayProxy** (Class)

**PointerProxy** (Class)

**ReferenceProxy** (Class)

**PrimitiveProxy** (Class)

**NumberProxy** (Class)

**StringProxy** (Class)

**BooleanProxy** (Class)

**node::ObjectWrap** (Class)

