



# Heading1

```
typedef struct VkApplicationInfo {  
    VkStructureType    sType;  
    const void*        pNext;  
    const char*        pApplicationName;  
    uint32_t           applicationVersion;  
    const char*        pEngineName;  
    uint32_t           engineVersion;  
    uint32_t           apiVersion;  
} VkApplicationInfo;
```

## Members

- `sType` is a [VkStructureType](#) value identifying this structure.
- `pNext` is `NULL` or a pointer to a structure extending this structure.
- `pApplicationName` is `NULL` or is a pointer to a null-terminated UTF-8 string containing the name of the application.
- `applicationVersion` is an unsigned integer variable containing the developer-supplied version number of the application.
- `pEngineName` is `NULL` or is a pointer to a null-terminated UTF-8 string containing the name of the engine (if any) used to create the application.
- `engineVersion` is an unsigned integer variable containing the developer-supplied version number of the engine used to create the application.
- `apiVersion` **must** be the highest version of Vulkan that the application is designed to use, encoded as described in <https://registry.khronos.org/vulkan/specs/latest/html/vkspec.html#extendingvulkan-coreversions-versionnumbers>. The patch version number specified in `apiVersion` is ignored when creating an instance object. The variant version of the instance **must** match that requested in `apiVersion`.