

We Need to Find Out What our Display Capabilities Are

VisSurfaceCapabilitiesKHR

VisCardPhysicalDeviceSurfaceCapabilitiesKHR; PhysicalDevice, Surface, OUT &vsc.);
VisCardin2 surfaceRes – vsc. correntExtent

point(FpDebug, "nwiKorlPhysicalDeviceSurfaceCapabilitiesKHR:");

...

VisBool32 supported;
result = wKGelPhysicalDeviceSurfaceSupportKHR(PhysicalDevice, FindQueueFamilyThatDoesGraphics(), Surface, &supported);
if(supported = VK_TRUE)

ignint(FpDebug, ""This Surface is supported by the Graphics Queue ""n");
init32_tformatCount;
wKGelPhysicalDeviceSurfaceFormatsKHR(PhysicalDevice, Surface, &formatCount, (VisSurfaceFormatKHR ") nullptr);
VisSurfaceFormatKHR " surfaceFormatsKHR (PhysicalDevice, Surface, &formatCount, surfaceFormats);
ipnint(FpDebug, "nFound %id Surface FormatsKHR (PhysicalDevice, Surface, &formatCount, surfaceFormats);
ipnint(FpDebug, "nFound %id Surface Formatsin", formatCount)

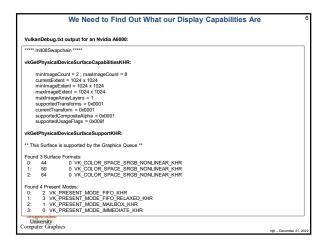
...

init32_tpresentModeCount;
wKGelPhysicalDeviceSurfaceFreentModesKHR(PhysicalDevice, Surface, &presentModeCount, (VkPresentModeKHR ") nullptr);
vKPresentModeCount;
wKGelPhysicalDeviceSurfaceFreentModesKHR(PhysicalDevice, Surface, &presentModeCount, (VkPresentModes);
ipnint(FpDebug, "nFound %id Present Modes\hr, presentModeCount);
...

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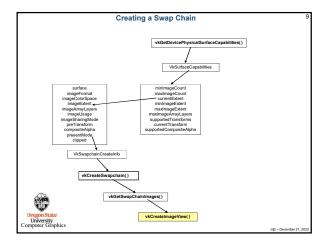
**Moder PhysicalDeviceSurfaceFreentModes (PhysicalDevice, Surface, &presentModeCount, presentModes);
**print(FpDebug, "nFound %id Present Modes\hr, presentModeCount);
...

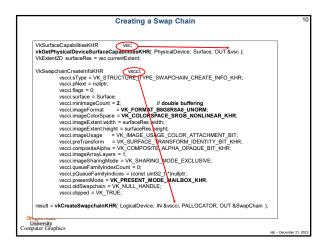
**Moder PhysicalDeviceSurfaceFreentModes (PhysicalDevice, Surface, &presentModeCount, presentModes);
**print(FpDebug, "nFound %id Present Modes\hr, presentModeCount);
**Moder PhysicalDeviceSurfaceFreentModesKHR(PhysicalDevice, Surface, &presentModeCount, presentModes (PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModeSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceSurfaceFreentModesKHR(PhysicalDeviceS



| VK_FRESENT_MODE_INMEDIATE_KER specifies that the presentation engine does not wait for a vertical blanking period to update the current image, meaning this mode may result in visible tearing. No internal queuing of presentation requests is needed, as the requests are applied immediately. VK_FRESENT_MODE_MAILBOK_KER specifies that the presentation engine waits for the next vertical blanking period to update the current image. Tearing cannot be observed. An internal single-entry queue is used to hold pending presentation requests. If the queue is full when a new presentation request is received, the new request replaces the existing entry, and any images associated with the prior entry become available for reuse by the application. One request is removed from the queue and processed during each vertical blanking period in which the queue is sone-mpty. VK_FRESENT_MODE_FITO_RESERS specifies that the presentation engine waits for the next vertical blanking period to update the current image. Tearing cannot be observed. An internal queue is used to hold pending presentation requests. New requests are appended to the end of the queue, and one request is removed from the beginning of the queue and processed during each vertical blanking period in which the queue is non-empty. This is the only value of presentMode|that is required to be supported. VK_FRESENT_MODE_FITO_RELAKED_FORS specifies that the presentation engine generally waits for the next vertical blanking period to update the current image. If a vertical blanking period has already based since the last update of the current image then the presentation engine does not wait for another vertical blanking period to update the current image the value between the issue. This mode is useful for reducing visual stutter with an application that will mostly present a new image before the next vertical blanking period to many ceasionally be late, and present a new image just issue. This mode is useful for reducing visual stutter with an application that will mostly







```
Rendering into the Swap Chain, I

VKSemaphoreCreateInfo
vscisType = VK_STRUCTURE_TIKE_SEMAPHORE_CREATE_INFO;
vsci_River_inulpt;
```

```
Rendering into the Swap Chain, II

VKFenceCreateInfo
vfcisType = VK_STRUCTURE_TYPE_FENCE_CREATE_INFO;
vfcisType = VK_STRUCTURE_TYPE_FENCE_CREATE_INFO;
vfcistRips = 0;

VKFence renderFence;
vkCreateFence (LogicalDevice, &vfci, PALLOCATOR, OUT &renderFence);

VKQueue presentQueue;
vkGetDeviceQueue (LogicalDevice, FindQueueFamilyThatDoesGraphics(), 0,

OUT &presentQueue);

...

VKSubmitInfo
vsisType = VK_STRUCTURE_TYPE_SUBMIT_INFO;
vsisNpwa = nuliptr;
vsiswatiSemaphoreCount = 1;
vsipVailDstageMask = &wayAlteotion;
vsicommandBufferCount = 1;
vsipCommandBufferCount = 1;
vsipCommandBufferSubmit(presentQueue, 1, IN &vsi, IN renderFence); // 1 = submitCount

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