248   INVLPGA of A Guest Page May Not Invalidate Splintered Pages

Description

When an address mapped by a guest uses a larger page size than the host, the TLB entry created uses the size of the smaller page; this is referred to as page splintering. TLB entries that are the result of page splintering may not be invalidated when the large page is invalidated in the guest using INVLPGA.

Potential Effect on System

Unpredictable system behavior may result due to inconsistent entries in the TLB.

Suggested Workaround

The hypervisor should always intercept INVLPGA instructions. On returning to the guest from the INVLPGA intercept the hypervisor should set TLB_Control = 1 in the VMCB to ensure correctness.

Fix Planned

Yes