# Introduction

## Overview

This document provides detailed information for each assertion in the UEFI SCT fundamental service and protocol tests. This document can be used as a reference on case assertion for UEFI SCT users.

Reference Documents

* UEFI Specification
* -- indicates current and past UEFI specifications, unless specific versions are noted
* UEFI SCT Getting Started
* UEFI SCT User Guide

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| 5.26.2.7.71 | 0x732738e8, 0x1ff1, 0x4f3a, 0xa0,0xc8, 0x38,0x81,0x1d,0x15,0x92,0x83 | EFI\_MTFTP4\_PROT  OCOL.ReadFile()  - ReadFile() must return  EFI\_PROTOCOL\_UNREACHABLE when receive an ICMP protocol unreachable packet. | 1. Call  EFI\_MTFTP4\_SERVICE\_BINDING\_PROTOCOL.CreateChild() to create  a new EFI\_MTFTP4\_PROTOCOL child handle.  2. Call  EFI\_MTFTP4\_PROTOCOL.Configur  e() with all valid parameters.  3. Call  EFI\_MTFTP4\_PROTOCOL.ReadFile  () with all valid parameters. OS side  should capture the packet sent from  EUT side.  4. Configure Host side to send back an  ICMP protocol unreachable packet and the return status should be EFI\_PROTOCOL\_UNREACHABLE.  5. Call  EFI\_MTFTP4\_SERVICE\_BINDING\_PROTOCOL.DestroyChild() to  destroy the newly created  EFI\_MTFTP4\_PROTOCOL child  handle and clean up the environment. |
| 5.26.2.7.72 | 0xd1c4e1e8, 0x1099, 0x4646, 0xb7,0xc9, 0x64,0x7e, 0x65,0xc3, 0x82,0x30 | EFI\_MTFTP4\_PROT  OCOL.ReadFile()  - ReadFile() must return  EFI\_PORT\_UNREACHABLE when receive an ICMP port unreachable packet. | 1. Call  EFI\_MTFTP4\_SERVICE\_BINDING\_PROTOCOL.CreateChild() to create  a new EFI\_MTFTP4\_PROTOCOL child handle.  2. Call  EFI\_MTFTP4\_PROTOCOL.Configur  e() with all valid parameters.  3. Call  EFI\_MTFTP4\_PROTOCOL.ReadFile  () with all valid parameters. OS side  should capture the packet sent from  EUT side.  4. Configure Host side to send back an  ICMP port unreachable packet and the return status should be EFI\_PORT\_UNREACHABLE.  5. Call  EFI\_MTFTP4\_SERVICE\_BINDING\_PROTOCOL.DestroyChild() to  destroy the newly created  EFI\_MTFTP4\_PROTOCOL child  handle and clean up the environment. |

## System Hang

If the system hangs in any of tests, the UEFI SCT framework records a failure assertion in the test report and skips this test after a system restart.

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| Number | GUID | Assertion | Test Description |
| 5.20.1.1.1 | 0xde687a18, 0x0bbd, 0x4396, 0x85, 0x09, 0x49, 0x8f, 0xf2, 0x32, 0x34, 0xf1 | System hangs or stops.. | The name of the test which causes the system hang can be found in the test report. |