EDK II Template Specification

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DRAFT FOR REVIEW

10/15/2020 11:31:00

Acknowledgements

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Revision History

Revision	Revision History	Date
0.l0	Initial release.	March 2017
0.20	Second release.	March 2017

1 FIRST CHAPTER

GitBook allows you to organize your book into chapters, each chapter is stored in a separate file like this one.

The heading above is an example of Heading Level 1. It is blue and left justified.

The following is a link to another part of this same file

- Link to Heading 5

The following is a link to a heading in another file

- Link to Second Chapter

The following are 2 links to the same external page. The first uses only an http address. The second provides a name associated with the external link.

- https://toolchain.gitbook.com/syntax/markdown.html
- Gitbook Markdown

1.1 Heading 2

The heading above is an example of Heading Level 2. It is blue and left justified.

1.1.1 Heading 3

The heading above is an example of Heading Level 3. It is blue and left justified.

1.1.1.1 Heading 4

The heading above is an example of Heading Level 4. It is blue and left justified.

Heading 5

The heading above is an example of Heading Level 5. It is bold and left justified.

<div align="center">**Heading 6**</div>

The heading above is an example of Heading Level 6. It is grey and center justified. This heading is intended to be used as the title for tables, figures, and examples.

2 SECOND CHAPTER

This is a really short paragraph.

This is another paragraph.

2.1 List Items

*Not a list item. A list item requires a least once space.

- Hello
- Hello
- Hello
- Hello
  - Hello
  - Hello
    - hello
  - Hello
- link
  - Hello

2.2 Tables

The table below is a simple table with no specified alignment.

Table 10 - Small Table

a	b	c
1	2	3

The table below is a simple table with example of left, center, and right alignment.

Table 11 - Small Table With Alignment

a	b	c
1	2	3

2.3 Code Examples

Single line code example

```
This is code style in a single line
```

Code block

```
Code example
```

Example 27 - Hello world

Code block of C code with color syntax highlighting

```
UINT8
```

```
EFIAPI
DecimalToBcd8 (
  IN     UINT8                   Value
  )
{
  ASSERT (Value < 100);
  return (UINT8) (((Value / 10) << 4) | (Value % 10));
}
```

Example 28 - C code example

Code block of INF file. INF files use INI file color syntax highlighting.

```
[Defines]
  INF_VERSION                = 0x00010005
  BASE_NAME                  = BaseLib
  MODULE_UNI_FILE            = BaseLib.uni
  FILE_GUID                  = 27d67720-ea68-48ae-93da-a3a074c90e30
  MODULE_TYPE                = BASE
  VERSION_STRING             = 1.1
  LIBRARY_CLASS              = BaseLib
```

Example 29 - INI file example

2.4 Figures

The following figure is the Tianocore logo for documents

Figure 7 - Tianocore Logo

The figures below are generated using the PlantUML plugin that uses PlantUML syntax that is defined here.

```
@startdot
digraph G {
  a -> b
  b -> c
  c -> a
}
@enddot
```

Figure 8 - Simple DOT Diagram

```
@startuml
Class EFI_DISK_IO_PROTOCOL {
  +Revision
  +ReadDisk(This, MediaId, Offset, BufferSize, Buffer)
  +WriteDisk(This, MediaId, Offset, BufferSize, Buffer)
}
Class EFI_BLOCK_IO_PROTOCOL {
  +Revision
  +Media
```

```
  +Reset(This, ExtendedVerification)
  +ReadBlocks(This, MediaId, Lba, BufferSize, Buffer)
  +WriteBlock(This, MediaId, Lba, BufferSize, Buffer)
  +FlushBlock(This)
}

Class EFI_BLOCK_IO_MEDIA {
  +MediaId
  +RemovableMedia
  +MediaPresent
  +LogicalPartition
  +ReadOnly
  +WriteCaching
  +BlockSize
  +IoAlign
  +LastBlock
  +LowestAlignedLba
  +LogicalBlocksPerPhysicalBlock
  +OptimalTransferLengthGranularity
}

together {
  class EFI_BLOCK_IO_PROTOCOL
  class EFI_BLOCK_IO_MEDIA
}
EFI_BLOCK_IO_PROTOCOL - EFI_BLOCK_IO_MEDIA

EFI_DISK_IO_PROTOCOL --> EFI_BLOCK_IO_PROTOCOL
@enduml
```

Figure 9 - UML Class Diagram

```
@startdot
digraph G {
  graph [style=rounded]
  subgraph cluster_0 {
    label = "UEFI Objects";
    subgraph column_3 {
      style=invis;
      label = "";
      "Memory" -> "Environment\nvariables" -> "Watchdog\ntimer"[style=invis];
    }
    subgraph column_2 {
      style=invis;
      label = "";
      "Images" -> "Handles\nand\nprotocols" -> "Monotonic\ncounter"[style=invis];
    }
    subgraph column_1 {
      style=invis;
      label = "";
     "UEFI system\ntable" -> "Events" -> "Time / date" [style=invis];
    }
  }
}
@enddot
```
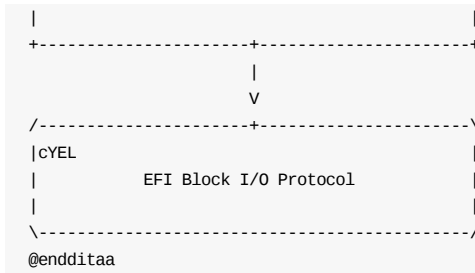
Figure 10 - DOT Diagram

```
@startditaa
+-------------------------------------------+
|cGRE                                       |
|       EFI System File System Protocol     |
|                                           |
+--------------------+----------------------+
                     |
                     V
+--------------------+--------------------+
|cBLU                                     |
|          EFI Disk I/O Protocol          |
```

```
|                                       |
+---------------------+---------------------+
               |
               V
/---------------------+---------------------\
|cYEL                                        |
|          EFI Block I/O Protocol           |
|                                            |
\--------------------------------------------/
@endditaa
```

Figure 11 - DITAA Diagram

2.5 Tips, Notes, Cautions, Warnings

Note: This is a note.

This is a paragraph between notes

Note: This is a multiple line note. This is on first line.

This is on second line.

This is on third line.

This is a paragraph after a note

Warning: This is a warning.

Note: This is a note immediately after a warning

This is a paragraph after combined warning and note.