

5.4.1.2 Concept Promotion Release Files

When SNOMED CT content is promoted from an extension module into a less dependent module (e.g. the international edition) to enable broader use, specific changes occur in the RF2 files of the associated SNOMED CT releases. In this section, we provide examples of how the relevant RF2 release files are changed when a concept is promoted and explain how the resulting files are used.

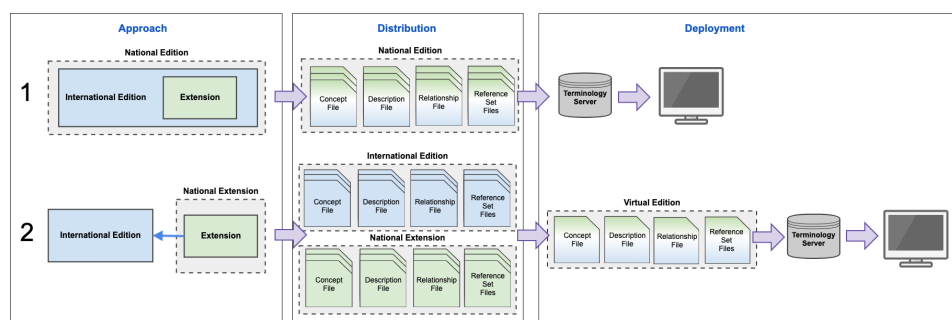
Distribution Approaches

SNOMED CT is distributed to users using one of two main approaches:

1. As a SNOMED CT edition, in which the SNOMED CT extension content is combined together with the files from the International Edition (and any other dependent module)
2. As a SNOMED CT extension, which contains only the new content added into the extension. To deploy a SNOMED CT extension, it must be combined with the international versioned edition that it is dependent on (and any other dependent modules), and any conflicts resolved (as explained below).

The diagram below illustrates these two approaches. In each approach, 3 release file types are distributed - the [full release](#), the [snapshot release](#) and the [delta release](#). Please refer to [5.6.1.2 Packaging and File Naming](#) for more information.

Please note: Delta files have been removed from the SNOMED International release package, but a Delta Generation Tool is available for those who need it. The Delta Generation Tool allows users to create their own Delta between two fixed release dates - you can find it here: <https://github.com/IHTSDO/delta-generator-tool/releases>.



Concept Promotion Scenario

In the following sections, we illustrate how each of the Concept files would appear both **before** and **after** the promotion of the fictitious concept | Example Concept| from the | Extension module (foundation metadata concept)| to the | SNOMED CT core module (core metadata concept)|.

In these examples, we will assume that the | Example Concept| was:

- Created in the | Extension module (foundation metadata concept)| on 31st September 2018
- Updated in the | Extension module (foundation metadata concept)| on 31st March 2020
- Promoted to the | SNOMED CT core module (core metadata concept)| on the 31st July 2020

We also assume the following dependencies:

- *Before promotion:* The 31st March 2020 version of the National Extension is dependent on the 31st January 2020 International Edition
- *After promotion:* The 31st September 2020 version of the National Extension is dependent on the 31st July 2020 International Edition

In the following section, we will first illustrate the changes using the SNOMED CT edition distribution method. And in the subsequent section, we will illustrate these changes using the SNOMED CT extension distribution method. In both cases, we will consider the impact to all three release file types - the [full release](#), the [snapshot release](#) and the [delta release](#)-

Concept Promotion using Edition Distribution

In this section, we illustrate the changes to the release files when promoting a concept using the edition distribute method.



Please note that the id, module and definitionStatusId fields in the RF2 release files contain **only** the SNOMED CT identifier of the relevant concept.

In the example tables below, we have included a synonym for each concept for human readability.

Full Release File

Before Promotion

Concept File - Full (National Edition 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20180931	Extension module	1	Primitive
Example Concept	20200331	Extension module	1	Defined

After Promotion

Concept File - Full (National Edition 20200931)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20180931	Extension module	1	Primitive
Example Concept	20200331	Extension module	1	Defined
Example Concept	20200731	SNOMED CT core module	1	Defined

Snapshot Release File

Before Promotion

Concept File - Snapshot (National Edition 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200331	Extension module	1	Defined

After Promotion

Concept File - Snapshot (National Edition 20200931)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200731	SNOMED CT core module	1	Defined

Delta Release File

Before Promotion

Concept File - Delta (National Edition 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200331	Extension module	1	Defined

After Promotion

Concept File - Delta (National Edition)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200731	SNOMED CT core module	1	Defined

Concept Promotion using Extension Distribution

In this section, we illustrate the changes to the release files when promoting a concept using the extension distribute method.



Please note that the id, module and definitionStatusId fields in the RF2 release files contain **only** the SNOMED CT identifier of the relevant concept.

In the example tables below, we have included a synonym for each concept for human readability.

Full Release File

Before Promotion

Concept File - Full (National Extension 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20180931	Extension module	1	Primitive
Example Concept	20200331	Extension module	1	Defined

Concept File - Full (International Edition 20200131)				
id	effectiveTime	module	active	definitionStatusId
No rows in the International Edition reference Example Concept				

After Promotion

Concept File - Full (National Extension 20200931)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20180931	Extension module	1	Primitive
Example Concept	20200331	Extension module	1	Defined

Concept File - Full (International Edition 20200731)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200731	SNOMED CT core module	1	Defined



Please note that the [Full View](#) of the *Virtual Edition* (for deployment in systems) can be created by simply combining the rows from the files above (ie all three rows).

Snapshot Release File

Before Promotion

Concept File - Snapshot (National Extension 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200331	Extension module	1	Defined

Concept File - Snapshot (International Edition 20200131)				
id	effectiveTime	module	active	definitionStatusId
No rows in the International Edition reference Example Concept				

After Promotion

Concept File - Snapshot (National Extension 20200931)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200331	Extension module	1	Defined

Concept File - Snapshot (International Edition 20200731)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200731	SNOMED CT core module	1	Defined

Please note that the [Snapshot View](#) of the *Virtual Edition* (for deployment in systems) can be created by combining the two files above and then **removing** any superseded version of each concept. In this example, the 20200331 version of | Example Concept| must be removed from the combined snapshot file, as this has been superseded by the 20200731 version of this concept from the International Edition.

Delta Release File

Before Promotion

Concept File - Delta (National Extension 20200331)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200331	Extension module	1	Defined

Concept File - Delta (International Edition 20200131)				
id	effectiveTime	module	active	definitionStatusId
No rows in the International Edition reference Example Concept				

After Promotion

Concept File - Delta (National Extension 20200931)				
id	effectiveTime	module	active	definitionStatusId
No rows in the Extension Concept File reference Example Concept				

Concept File - Delta (International Edition 20200731)				
id	effectiveTime	module	active	definitionStatusId
Example Concept	20200731	SNOMED CT core module	1	Defined



Please note that the [Full View](#) of the *Virtual Edition* (for deployment in systems) can be created by simply combining the rows from the files above (ie one row).