



Digital 3D formats .glb and .gltf in the Universal Viewer

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Digital 3D formats .glb and .gltf in the Universal Viewer

- As of the May 2023 release Alma supports 3D formats .glb and .gltf in the Universal Viewer.
- We will now first define service availability rules so that the Universal Viewer can be used with files that have suffix .glb and .gltf
- We will navigate to “Configuration > Fulfillment > Discovery Interface Display Logic > Viewer Services” and edit the Universal Viewer

Digital 3D formats .glb and .gltf in the Universal Viewer

Viewer Services

+ Add Service  

	Active	▲ Service Name	↕ Service Code	Service Description	
	1 <input type="checkbox"/>	Internet Archive Book Reader	InternetArchiveBookReader	Internet Archive Book Reader	
	2 <input checked="" type="checkbox"/>	Universal Viewer	UniversalViewer	Universal Viewer	
	3 <input type="checkbox"/>	Alma Viewer	AlmaViewer	Digital Version(s)	

Digital 3D formats .glb and .gltf in the Universal Viewer

- In the “Service Availability Rules” tab we will add a rule.
- We will make one rule for .glb files and one rule for .gltf files so that they can be used in the Universal Viewer

Digital 3D formats .glb and .gltf in the Universal Viewer

< Service Availability Rules Cancel Save

Universal Viewer >

Service Details Service Availability Rules

Rules List + Add Rule

Digital 3D formats .glb and .gltf in the Universal Viewer

< Edit rule

Cancel

Save

Name *

Description

Created By **Alicia Chen**

Created On **05/02/2023**

Updated By **Alicia Chen**

Updated On **05/02/2023**

Input Parameters

+ Add Parameter



Name	Operator	Value	
1 Representation's Files	Contains	.gltf	...

Output Parameters

Display *

Digital 3D formats .glb and .gltf in the Universal Viewer

< Edit rule

Cancel

Save

Name *

Description

Created By **Alicia Chen**

Created On **05/02/2023**

Updated By **Alicia Chen**

Updated On **05/02/2023**

Input Parameters

+ Add Parameter







Name	Operator	Value	
1 Representation's Files	Contains	.glb	⋮

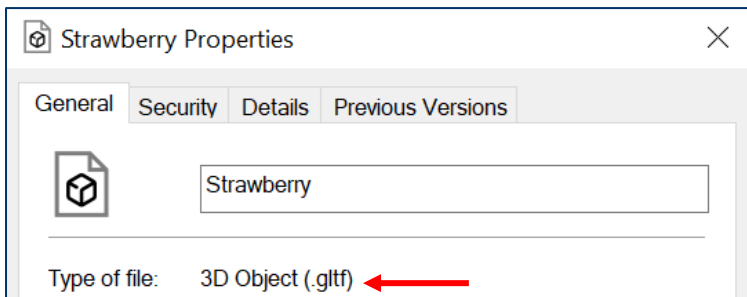
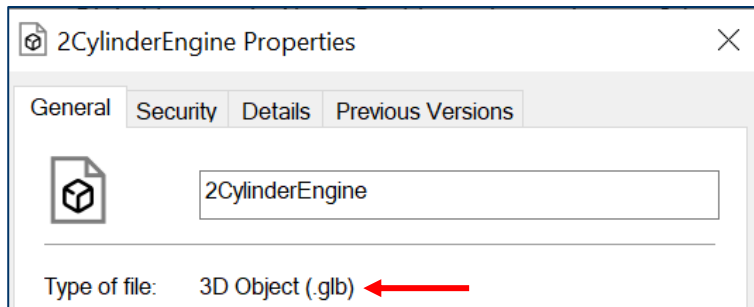
Output Parameters

Display *

Digital 3D formats .glb and .gltf in the Universal Viewer

- We have the following two 3D format files:

Name	Status	Date modified	Type	Size
 2CylinderEngine		4/17/2023 3:55 PM	3D Object	1,796 KB
 Strawberry		4/17/2023 3:55 PM	3D Object	17,829 KB



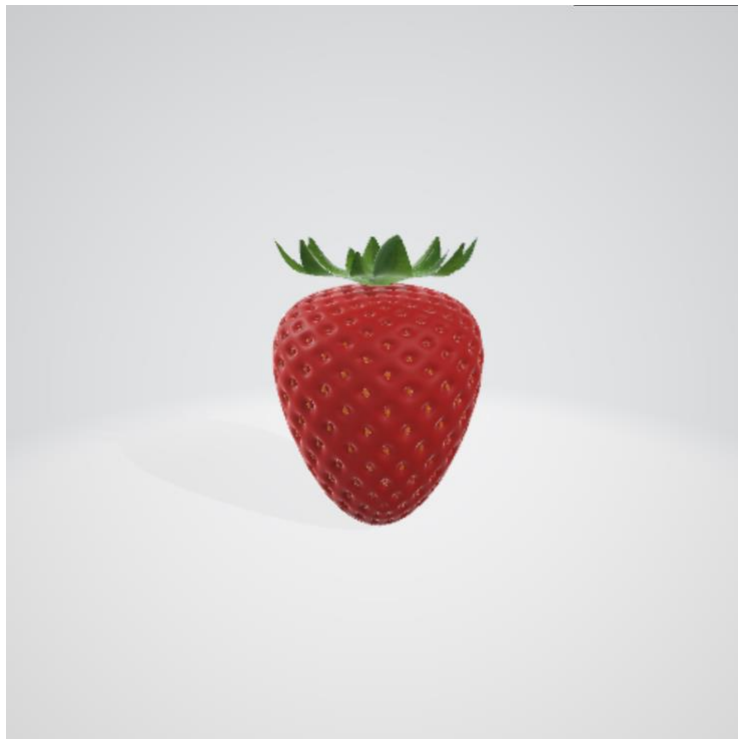
Digital 3D formats .glb and .gltf in the Universal Viewer

- Here is 2CylinderEngine



Digital 3D formats .glb and .gltf in the Universal Viewer

- Here is Strawberry



Digital 3D formats .glb and .gltf in the Universal Viewer

- For title “Chilton's Nissan pick-ups, 1998-01 repair manual” we will add a representation

The screenshot shows the Universal Viewer interface. At the top, there are navigation buttons: Save, New, Record Action, Editing Action, Add Inventor, View Related, Order, and Search. Below this is a header bar for the record: "Chilton's Nissan pick-ups, 1998-01 repair manual / Jeff Kibler." with buttons for Record, 10, 100, and MARC21 Bib. A table of LDR records is visible, with the first record selected. A dropdown menu is open on the right, showing options: Add MARC21 Holdings, Books (Default), Default template for Alma University (Default), Add Item, Add Portfolio, and Add Representation (highlighted with a red box).

LDR	Record
001	03917cam#a22006734a#4500
005	9951410800121
008	20230502155958.0
010	011221s2002####enka#####f#####001#0#eng##
020	\$\$a ##2001099746
020	\$\$a 1563924560

- ★ Add Representation (Alt+R)

Digital 3D formats .glb and .gltf in the Universal Viewer

- We have added 2CylinderEngine.glb to the representation

Add Files ▾

Start Over

File Name

Label

Size

Status

2CylinderEngine.glb

2CylinderEngine

1.75 MB

Uploaded

Delete

Digital 3D formats .glb and .gltf in the Universal Viewer

- For title “Strawberry girl” we will add a representation

The screenshot shows the Universal Viewer interface. At the top, there are navigation buttons: Save, New, Record Action, Editing Action, Add Inventor, View Related, Order, and Search. Below this, the record title "Strawberry girl / written and illustrated by Lois Lenski. (995141)" is displayed, with "Strawberry girl" highlighted in a red box. Below the title are buttons for Record, 01, 107, and MARC21 Bib. A table of MARC21 fields is visible:

Field	Value
LDR	04699cam#a2200937li#4500
001	9951410600121
005	20230502161609.0
008	721213s1945####pauaf##c#####000#1#eng##
010	\$\$a ###45007609#
019	\$\$a 301295 \$\$a 54789051 \$\$a 123007245 \$\$a 4958

On the right side, a dropdown menu is open, showing options: Add MARC21 Holdings, Books (Default) (Ctrl+Alt+H), Default template for Alma University (Default) (Ctrl+Alt+H), Add Item (Alt+I), Add Portfolio (Alt+O), and Add Representation (Alt+R). The "Add Representation" option is highlighted with a red box.

Digital 3D formats .glb and .gltf in the Universal Viewer

- We have added Strawberry.gltf to the representation

Add Files ▾ Start Over

File Name	Label	Size	Status	
Strawberry.gltf	Strawberry	17.41 MB	Uploaded	Delete

Digital 3D formats .glb and .gltf in the Universal Viewer

- Let's take a look at "Chilton's Nissan pick-ups, 1998-01 repair manual" in the Universal Viewer via Primo VE

The screenshot shows a search result for a digital 3D file. The interface is divided into sections: "View Online", "Digital Version(s) Availability", "Details", and "Creator".

View Online

Digital Version(s) Availability
Showing 1 of 1 results

Universal Viewer 1 file/s (glb, 1.75 MB)
--

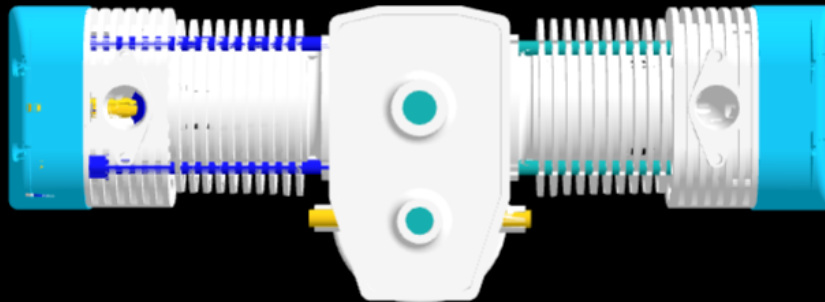
Details

Title	Chilton's Nissan pick-ups, 1998-01 repair manual
Creator	Kibler, Jeff. > Chilton Book Company. >

Digital 3D formats .glb and .gltf in the Universal Viewer

Chilton's Nissan pick-ups, 1998-01 repair manual / Jeff Kibler.

+ -



Digital 3D formats .glb and .gltf in the Universal Viewer

- Let's take a look at "Strawberry girl" in the Universal Viewer via Primo VE

The screenshot displays the 'View Online' section of a Primo VE record. Under the heading 'Digital Version(s) Availability', it states 'Showing 1 of 1 results'. A red box highlights the entry 'Universal Viewer' with the subtext '1 file/s (gltf, 17.41 MB)'. Below this, the 'Details' section is visible, with a red box highlighting the title 'Strawberry girl' and another red box highlighting the creator information 'Lenski, Lois, 1893-1974, author, illustrator. >'. The title 'Strawberry girl' is also underlined in the original image.

View Online

Digital Version(s) Availability
Showing 1 of 1 results

Universal Viewer
1 file/s (gltf, 17.41 MB)

Details

Title Strawberry girl

Creator [Lenski, Lois, 1893-1974, author, illustrator. >](#)

Digital 3D formats .glb and .gltf in the Universal Viewer

Strawberry girl / written and illustrated by Lois Lenski.

+ -





Thank you!

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