

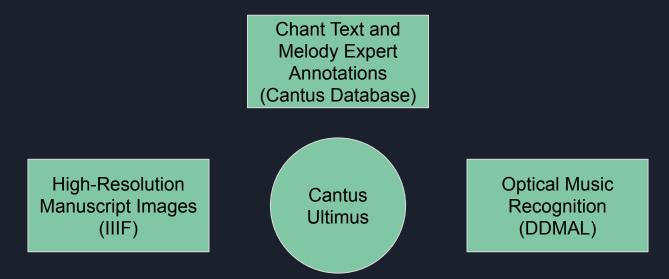
Cantus Ultimus: Status Update

Néstor Nápoles López SIMSSA Workshop XIX, September 21, 2019



Cantus Ultimus - <u>https://cantus.simssa.ca</u>

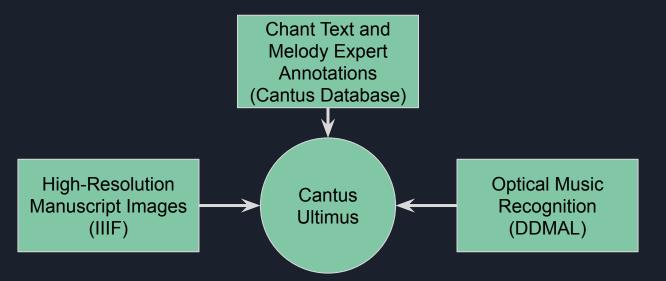
Take advantage of chants' text and melody databases like the Cantus Manuscript Database (<u>http://cantus.uwaterloo.ca/</u>) and combine it with state-of-the-art Optical Music Recognition (OMR) technology to provide a fully-searchable interface of music and text





Cantus Ultimus - https://cantus.simssa.ca

Take advantage of chants' text and melody databases like the Cantus Manuscript Database (<u>http://cantus.uwaterloo.ca/</u>) and combine it with state-of-the-art Optical Music Recognition (OMR) technology to provide a fully-searchable interface of music and text



What you should see - https://cantus.simssa.ca

About

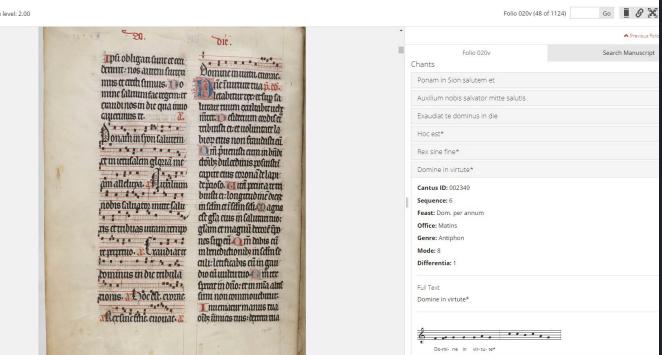
Activities

Team Manuso

← → C 🔒 cantus.simssa.ca/manuscript/41/?folio=020v&chant=6&search%5Btype%5D=volpiano&search%5Bquery%5D=fefdecdd

Cantus Ultimus > Paris, F-Pn lat. 15181

- + Zoom level: 2.00



Cantus Ultimus behind the scenes

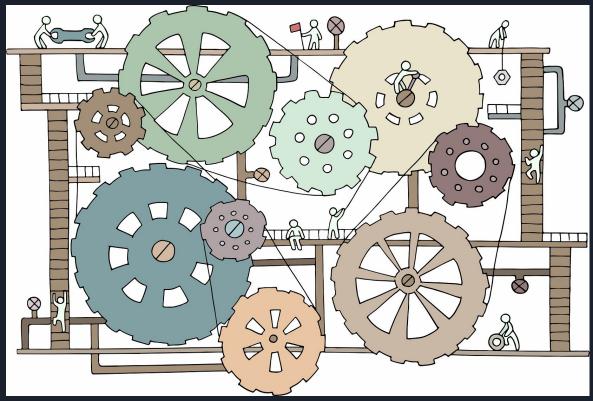


Image obtained with a standard license from:

Cantus Ultimus behind the scenes

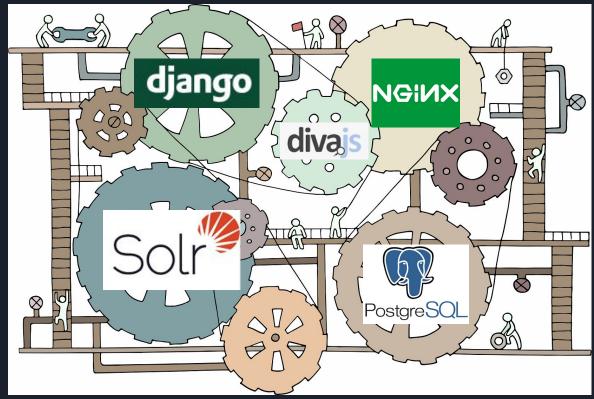


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Cantus Ultimus behind the scenes

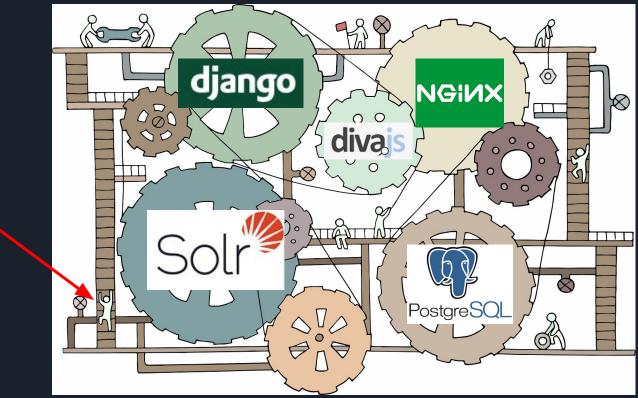


Image obtained with a standard license from:



Our big objective as developers

Make the addition of manuscripts as simple as possible for the users:

- URL to a Cantus Database Source (expert data)
- URL to a IIIF Manifest (high-resolution images)

Connect everything automatically!



Last time in Vienna

Manual mapping of IIIF manifests and folio annotations





Last time in Vienna

Automatic mapping of IIIF manifests and folio annotations





From June to September

Retaking an old effort started in 2016 by William Bain

• The *containerization* of Cantus Ultimus



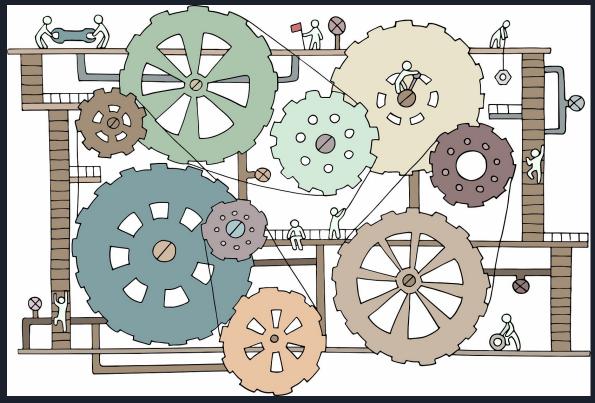
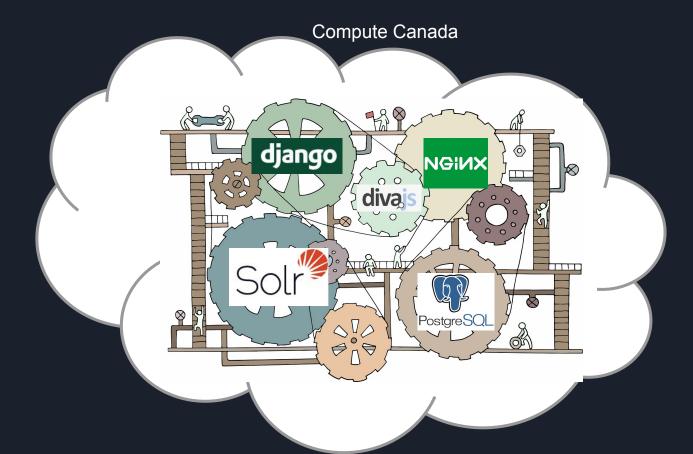
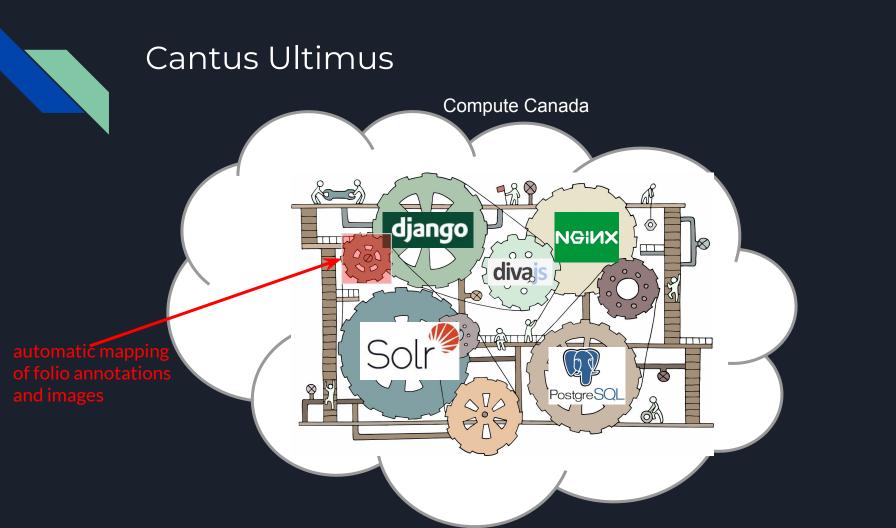


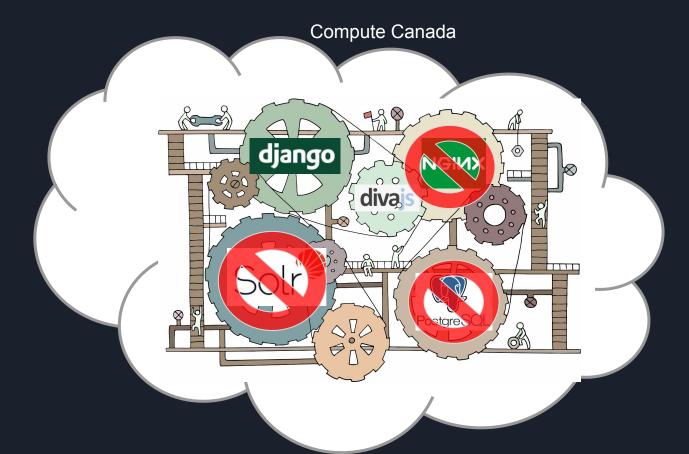
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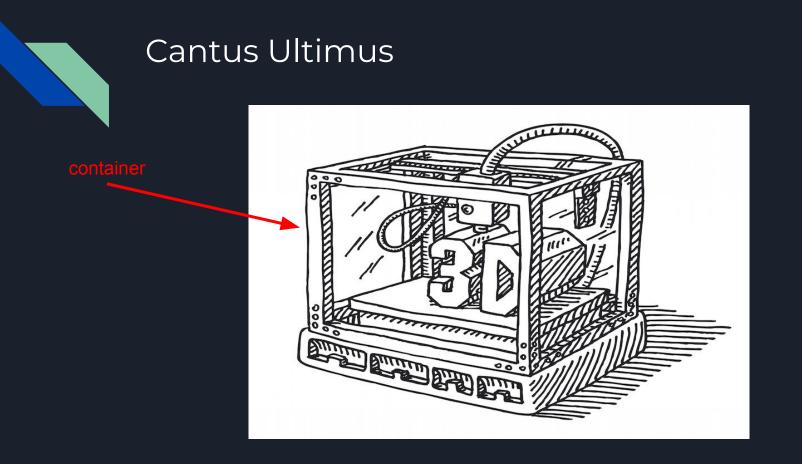














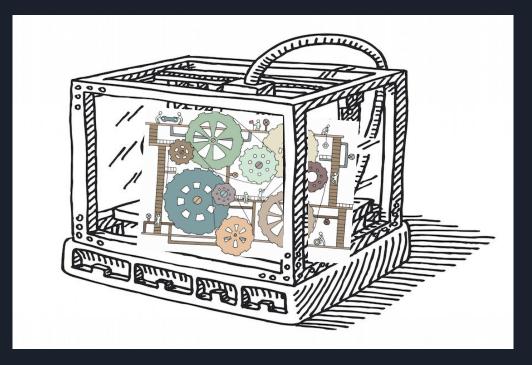
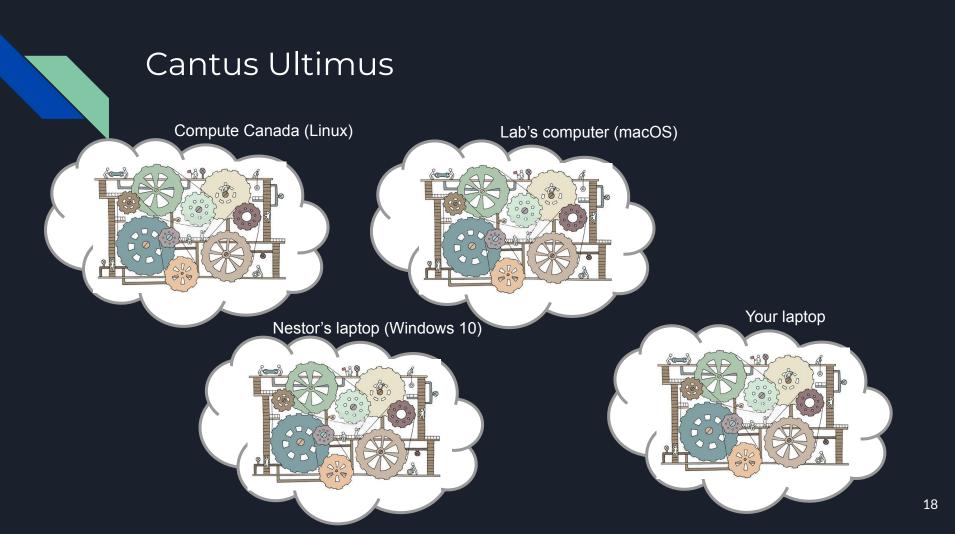


Image taken from: https://blog.matthews.com.au/how-3d-printing-will-impact-manufacturers/



Cantus Ultimus Container



Purpose

Replicating the complex stack of the Cantus Ultimus Website in a development environment helps us to move in the direction of our original goal:

Make the addition of manuscripts as simple as possible for the users:

- URL to a Cantus Database Source (expert data)
- URL to a IIIF Manifest (high-resolution images)

Connect everything automatically!



Cantus Ultimus - History

- Cantus Ultimus
 - Jennifer Bain
 - Inga Behrendt
 - Julie Cumming
 - Elsa De Luca
 - Ichiro Fujinaga
 - Andrew Hankinson
 - Kate Helsen
 - Alessandra Ignesti
 - Jan Koláček
 - Debra Lacoste
 - Sarah Ann Long
 - Barbara Swanson

- Cantus Ultimus Website
 - Andrew Horwitz (2014)
 - Initial template of a website (now deprecated)
 - Wei Gao (2014)
 - Started the current version of the website
 - Andrew Fogarty and Andrew Horwitz (2014 - 2015)
 - William Bain (2015 2016)
 - Jérôme Parent-Lévesque (2016)
 - Néstor Nápoles López (2018)



Special thanks

Jan Koláček and Jennifer Bain

For their support and for introducing changes in the Cantus Database that will be very helpful in the next deliverable of the project



Thank you

Contribute: https://github.com/DDMAL/cantus

or visit the website: https://cantus.simssa.ca



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