Base Container used:	RAPIDS v24.12	nvcr.io/nvidia/rapidsai/notebooks:24.12-cuda12.5-py3.12				

RAPIDS-SingleCell Developer Bluepring:

Package / Component Name	Version	Component Type: library, AI model, header, script, tool, helm chart, dataset, documentation, or other (describe).	Component release format (binary and/or source)	License	Method of Distribution	Usage Method with NV proprietary code
anndata	0.11.3	library	python pip wheel	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
array-api-compat	1.11.1	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
asciitree	0.3.3	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
deprecated	1.2.18	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
fasteners	0.19	library	pip install	Apache	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
h5py	3.13.0	library	pip install	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
legacy-api-wrap	1.4.1	library	pip install	MPL-2	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
natsort	8.4.0	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
numcodecs	0.15.1	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
pynndescent	0.5.13	library	pip install	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
rapids-singlecell	0.12.0	library	pip install	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
scanpy	1.11.0	library	python pip wheel	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
scikit-misc	0.5.1	library	pip install	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
session-info2	0.1.2	library	pip install	MPL-2	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
umap-learn	0.5.7	library	pip install	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
wrapt	1.17.2	library	pip install	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
zarr	2.18.4	library	python pip wheel	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
aiobotocore	2.21.1	python pip wheel pac	library	Apache	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
aioitertools	0.12.0	pip install	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
botocore	1.37.1	pip install	library	Apache	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
dask-image	2024.5.3	pip install	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
docrep	0.3.2	pip install	library	Apache	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
inflect	7.5.0	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
jmespath	1.0.1	pip install	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
matplotlib-scalebar	0.9.0	pip install	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
more-itertools	10.6.0	pip install	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
multiscale-spatial-image	2.0.2	python pip wheel pac	library	Apache	pypi	Pip installed as part of EXTRA_PIP_PACKAGES

ome-zarr	0.10.3	python pip wheel pac	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
omnipath	1.0.9	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
pims	0.7	python pip wheel pac	library	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
pip-licenses	5.0.0	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
pipdeptree	2.25.1	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
pooch	1.8.2	python pip wheel pac	library	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
prettytable	3.15.1	python pip wheel pac	library	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
s3fs	2024.10.0	python pip wheel pac	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
slicerator	1.1.0	python pip wheel pac	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
spatial-image	1.2.1	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
spatialdata	0.3.0	python pip wheel pac	library	BSD	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
squidpy	1.6.4	python pip wheel pac	library	BSD3	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
typeguard	4.4.2	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
validators	0.34.0	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
xarray-dataclasses	1.9.1	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
xarray-schema	0.0.3	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
xarray-spatial	0.4.0	python pip wheel pac	library	MIT	pypi	Pip installed as part of EXTRA_PIP_PACKAGES
not previously declared/approved in RAPIDS containers						
Existing Components						
RAPIDS Container 24.12	Team to add link and license governing the container that will be included in the notebook	Container of libraries	Docker container of Conda and Pip installed packages	- RAPIDS v24. 12 Containers - RAPIDS v24. 12 OSRB NVBugs	NGC Docker Container	
Notebook	**Dataset**	**License**	**Link to data**	**Description**	**Original source**	**Purpose of the Dataset**
01_demo_gpu_e2e.ipynb	h5/dli_census.h5ad	CC BY 4.0	https://datasets. cellxgene. cziscience. com/7b91e7f8-d997-4ed3-a0cc-b88272ea7d15. h5ad	cellxgene data se	https://cellxgene.	A single-cell multi-omics map of human tissues. Find, download, and visually explore curated and standardized single cell datasets.

multi_gpu_large_data_showcase.i	cell_atlas	CC BY 4.0	https://datasets.cellxgene.cziscience.com/3817734b-0f82-433b-8c38-55b214200fff.h5ad	cellxgene data se	https://cellxgene.	A single-cell multi-omics map of human tissues. Find, download, and visually explore curated and standardized single cell datasets.
demo_gpu-seuratv3.ipynb	h5/dli_census.h5ad	CC BY 4.0	https://datasets.cellxgene.cziscience.com/7b91e7f8-d997-4ed3-a0cc-b88272ea7d15.h5ad	cellxgene data se	https://cellxgene.	A single-cell multi-omics map of human tissues. Find, download, and visually explore curated and standardized single cell datasets.
demo_gpu_e2e_with_PR.ipynb	h5/dli_census.h5ad	CC BY 4.0	https://datasets.cellxgene.cziscience.com/7b91e7f8-d997-4ed3-a0cc-b88272ea7d15.h5ad	cellxgene data se	https://cellxgene.	A single-cell multi-omics map of human tissues. Find, download, and visually explore curated and standardized single cell datasets.
demo_gpu-seuratv3-brain-1M.ipyr	nvidia_1.3M.h5ad	CC BY 4.0	https://rapids-single-cell-examples.s3.us-east-2.amazonaws.com/1M_brain_cells_10X.sparse.h5ad	1.3M 10x data se	https://support.10	To demonstrate use of RAPIDS-singlecell on a 1M cell data set
out-of-core_processing.ipynb	nvidia_1.3M.h5ad	CC BY 4.0	https://rapids-single-cell-examples.s3.us-east-2.amazonaws.com/1M_brain_cells_10X.sparse.h5ad	1.3M 10x data se	https://support.10	To demonstrate use of RAPIDS-singlecell on a 1M cell data set