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@angular/common (npm) - 13.1.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @angular/common (npm) - 13.1.1</a>
@angular/compiler (npm) - 13.1.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @angular/compiler</a>

@angular/core (npm) - Yes  
13.1.1

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@angular/core \(npm\) -  
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@angular/flex-layout (npmjs) - 13.0.0-beta.36 Yes

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@angular/forms (npm) - 13.1.1 Yes

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@angular/platform-browser (npm) - 13.1.1 Yes

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browser \(npm\) - 13.1.1](#)

@angular/platform-browser-dynamic (npm) - 13.1.1 Yes

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browser-dynamic  
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@angular/router Yes

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@nestjs/common      Yes  
(npm) - 7.6.18

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@nestjs/core (npm) -      Yes  
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@nestjs/jwt - 7.2.0      Yes

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@nestjs/microservices      Yes  
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@nestjs/microservices  
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@nestjs/passport      Yes  
(npm) - 8.2.2

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@nestjs/passport - 7.1.6	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @nestjs/passport - 7.1.6</a>
@nestjs/platform-express (npm) - 7.6.18	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @nestjs/platform-express (npm) - 7.6.18</a>
@nestjs/schedule (npm) - 1.0.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @nestjs/schedule (npm) - 1.0.2</a>
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@nestjs/typeorm - 7.1.5	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @nestjs/typeorm - 7.1.5</a>
@ngrx/effects - 13.0.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT</a>

@ngrx/entity (npm) - 13.0.2	Yes	<a href="#">@ngrx/effects - 13.0.2</a>
		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @ngrx/entity (npm) - 13.0.2</a>
@ngrx/router-store - 13.0.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @ngrx/router-store - 13.0.2</a>
@ngrx/store (npm) - 13.0.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @ngrx/store (npm) - 13.0.2</a>
@ngrx/store-devtools (npm) - 13.0.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @ngrx/store-devtools (npm) - 13.0.2</a>
@ngx-translate/core (npm) - 14.0.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @ngx- translate/core (npm) - 14.0.0</a>
@ngx-translate/http-loader (npm) - 7.0.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR</a>

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@types/express - 4.0.39	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @types/express - 4.0.39</a>
@types/file-saver - 2.0.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @types/file-saver - 2.0.1</a>
@types/node (npm) - 14.14.33	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @types/node (npm) - 14.14.33</a>
@types/passport-jwt - 3.0.3	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT @types/passport-jwt - 3.0.3</a>
asn1crypto - 0.24.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT asn1crypto - 0.24.0</a>
aws-api-gateway-client - 0.3.5	Yes	<a href="#">LICENSE AND COPYRIGHT</a>

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boto3 - 1.12.18	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT boto3 - 1.12.18</a>
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botocore - 1.12.237	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT botocore - 1.12.237</a>
breakpoint-sass - 2.7.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT breakpoint-sass - 2.7.1</a>
cache-manager - 3.6.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT cache- manager - 3.6.0</a>



chart.js-v2 - 2.9.4	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT chart.js- v2 - 2.9.4</a>
chartjs-plugin- annotation - chartjs/chartjs-plugin- annotation - 0.5.7	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT chartjs- plugin-annotation - chartjs/chartjs-plugin- annotation - 0.5.7</a>
chartjs-plugin-labels - 1.1.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT chartjs- plugin-labels - 1.1.0</a>
chartjs-plugin-zoom - 0.7.5	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT chartjs- plugin-zoom - 0.7.5</a>
class-transformer - 0.3.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT class- transformer - 0.3.1</a>
class-validator - pleerock/class- validator - 0.9.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT class- validator - pleerock/class- validator - 0.9.1</a>

click (pypi) - 7.1.2	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT click (pypi) - 7.1.2</a>
core-js (npm) - 3.18.3	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT core-js (npm) - 3.18.3</a>
cryptography - 3.4.8	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT cryptography - 3.4.8</a>
dataclasses-json (pypi) - 0.5.5	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT dataclasses-json (pypi) - 0.5.5</a>
dependency injector (pypi) - 4.36.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT dependency injector (pypi) - 4.36.0</a>
Docutils: Documentation Utilities - 0.14	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Docutils: Documentation Utilities - 0.14</a>
echarts (npmjs) - 5.2.2	Yes	Apache ECharts	<a href="#">LICENSE AND</a>

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Flask - 2.1.2	Yes		<p><a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Flask - 2.1.2</a></p>
Flask-Cors - 3.0.9	Yes		<p><a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Flask-Cors - 3.0.9</a></p>
flatpickr/flatpickr - v4.6.3	Yes		<p><a href="#">LICENSE AND COPYRIGHT INFORMATION FOR</a></p>

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form-data - form- data/form-data - v3.0.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT form- data - form-data/form- data - v3.0.0</a>
fs-es6-promise - 0.0.2	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT fs-es6- promise - 0.0.2</a>
generate-package- json-webpack-plugin - 1.0.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT generate-package- json-webpack-plugin - 1.0.1</a>
generate-package- json-webpack-plugin - 2.6.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT generate-package- json-webpack-plugin - 2.6.0</a>
Google.Protobuf - 3.14.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Google.Protobuf - 3.14.0</a>

gridstack/gridstack.js - v1.1.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT gridstack/gridstack.js - v1.1.1</a>
itsdangerous - 1.1.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT itsdangerous - 1.1.0</a>
Jinja2 - 3.0.3	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Jinja2 - 3.0.3</a>
jsonpatch (pypi) - 1.32	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT jsonpatch (pypi) - 1.32</a>
jwtcrypto (pypi) - 0.8	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT jwtcrypto (pypi) - 0.8</a>
jwt-rsa - 1.6.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT jwt-rsa - 1.6.0</a>
marshmallow-code/apispec - 3.3.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR</a>

marshmallow- dataclass (pypi) - 8.4.1	Yes	<a href="#">COMPONENT marshmallow- code/apispec - 3.3.1</a>
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mergedeep (pypi) - 1.3.4	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT mergedeep (pypi) - 1.3.4</a>
moment - 2.24.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT moment - 2.24.0</a>
nestjs-typeorm- paginate - 3.1.3	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT nestjs- typeorm-paginate - 3.1.3</a>
networkx (pypi) - 2.5.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT networkx (pypi) - 2.5.1</a>
ng-toast (npm) - 2.0.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR</a>

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ngrx effects - 11.1.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT ngrx effects - 11.1.1</a>
ngx-echarts - 5.1.2	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT ngx-echarts - 5.1.2</a>
ngx-toastr - 12.1.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT ngx-toastr - 12.1.0</a>
node path - 0.12.7 (1)	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT node path - 0.12.7 (1)</a>
nodejs-base64 - 1.0.3	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT nodejs-base64 - 1.0.3</a>
NumPy - 1.19.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT NumPy - 1.19.0</a>
numpy - 1.22.2	Yes		<a href="#">LICENSE AND COPYRIGHT</a>

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paho-mqtt (pypi) - 1.3.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT paho- mqtt (pypi) - 1.3.1</a>
paho-mqtt (pypi) - 1.5.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT paho- mqtt (pypi) - 1.5.0</a>
paho-mqtt (pypi) - 1.6.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT paho- mqtt (pypi) - 1.6.1</a>
pandas (pypi) - 1.3.3	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pandas (pypi) - 1.3.3</a>
passport (npm) - 0.4.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT passport (npm) - 0.4.0</a>
passport (npm) - 0.6.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT passport (npm) - 0.6.0</a>



passport-http-bearer - 1.0.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT passport-http-bearer - 1.0.1</a>
passport-jwt - 4.0.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT passport-jwt - 4.0.0</a>
path (npm) - 0.12.7	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT path (npm) - 0.12.7</a>
pg - 6.2.4	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pg - 6.2.4</a>
pg - v8.5.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pg - v8.5.1</a>
pg-promise - 10.10.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pg-promise - 10.10.2</a>
pg-promise - 7.2.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pg-</a>

primefaces/primeicons - 2.0.0	Yes		<a href="#">promise - 7.2.1</a>
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primeng - 11.4.5	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT primeng - 11.4.5</a>
pyarrow - 3.0.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pyarrow - 3.0.0</a>
pyFFTW - 0.12.0	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pyFFTW - 0.12.0</a>
PyJWT - 1.7.1	Yes		<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT PyJWT - 1.7.1</a>
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written by Tim Hudson  
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python pandas - 0.24.2    Yes

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python-dateutil (pypi)    Yes  
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dateutil \(pypi\) - 2.8.2](#)

python-dateutil - 2.8.0    Yes

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python-jsonschema -    Yes  
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python-marshmallow -    Yes  
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pytz (pypi) - 2021.3	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pytz (pypi) - 2021.3</a>
PyYAML - 6.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT PyYAML - 6.0</a>
PyYAML - a YAML parser and emitter for Python - 5.3.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT PyYAML - a YAML parser and emitter for Python - 5.3.1</a>
pyzmq - v20.0.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT pyzmq - v20.0.0</a>
ReactiveX RxJS - 6.6.7	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT ReactiveX RxJS - 6.6.7</a>
redis (pypi) - 3.4.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT redis (pypi) - 3.4.0</a>
redis (pypi) - 3.4.1	Yes	<a href="#">LICENSE AND COPYRIGHT</a>

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redis-py - 3.3.11	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT redis-py - 3.3.11</a>
reflect-metadata - 0.1.13	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT reflect- metadata - 0.1.13</a>
requests - 2.25.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT requests - 2.25.1</a>
rochacbruno/dynaconf - 3.1.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT rochacbruno/dynaconf - 3.1.2</a>
Rx (pypi) - 3.1.1	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Rx (pypi) - 3.1.1</a>
sagemaker-training - 3.6.1.post0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT sagemaker-training -</a>

SciPy - v1.4.1

Yes

\* R. H. Byrd, P. Lu and J. Nocedal.  
A Limited Memory Algorithm  
for Bound  
Constrained Optimization,  
(1995), SIAM Journal on  
Scientific and  
Statistical Computing, 16, 5, pp.  
1190-1208.

\* C. Zhu, R. H. Byrd and J.  
Nocedal. L-BFGS-B: Algorithm  
778: L-BFGS-B,  
FORTRAN routines for large  
scale bound constrained  
optimization (1997),  
ACM Transactions on  
Mathematical Software, 23, 4,  
pp. 550 - 560.

\* J.L. Morales and J. Nocedal. L-  
BFGS-B: Remark on Algorithm  
778: L-BFGS-B,  
FORTRAN routines for large  
scale bound constrained  
optimization (2011),  
ACM Transactions on  
Mathematical Software, 38, 1.

R. H. Byrd, P. Lu and J. Nocedal.  
A Limited Memory Algorithm  
for Bound Constrained  
Optimization, (1995), SIAM  
Journal on Scientific and  
Statistical Computing, 16, 5, pp.  
1190-1208.

C. Zhu, R. H. Byrd and J. Nocedal.  
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optimization (1997), ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.  
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simplejson - v3.17.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT simplejson - v3.17.2</a>
six Compatibility Utility - 1.12.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT six Compatibility Utility - 1.12.0</a>
Six for pypi - 1.15.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT Six for</a>



sm-quill - 1.3.7	Yes	<a href="#">pypi - 1.15.0</a>
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swagger-ui-express (npmjs) - 4.1.3	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT swagger- ui-express (npmjs) - 4.1.3</a>
TensorFlow - 2.1.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT TensorFlow - 2.1.0</a>
TensorFlow - 2.8.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT TensorFlow - 2.8.0</a>
tflite (pypi) - 2.3.0	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT tflite (pypi) - 2.3.0</a>
thymeleaf - 0.17.2	Yes	<a href="#">LICENSE AND COPYRIGHT INFORMATION FOR COMPONENT thymeleaf - 0.17.2</a>
tslib - 2.3.1	Yes	<a href="#">LICENSE AND COPYRIGHT</a>

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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6 1.5.2	2000	CNRI	no
2.0 1.6	2000	BeOpen.com	no
1.6.1 1.6	2001	CNRI	yes (2)
2.1 2.0+1.6.1	2001	PSF	no
2.0.1 2.0+1.6.1	2001	PSF	yes
2.1.1 2.1+2.0.1	2001	PSF	yes
2.2 2.1.1	2001	PSF	yes



2.1.2 2.1.1 2002 PSF yes  
2.1.3 2.1.2 2002 PSF yes  
2.2.1 2.2 2002 PSF yes  
2.2.2 2.2.1 2002 PSF yes  
2.2.3 2.2.2 2003 PSF yes  
2.3 2.2.2 2002-2003 PSF yes  
2.3.1 2.3 2002-2003 PSF yes  
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2.3.4 2.3.3 2004 PSF yes  
2.3.5 2.3.4 2005 PSF yes  
2.4 2.3 2004 PSF yes  
2.4.1 2.4 2005 PSF yes  
2.4.2 2.4.1 2005 PSF yes  
2.4.3 2.4.2 2006 PSF yes  
2.5 2.4 2006 PSF yes  
2.7 2.6 2010 PSF yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-  
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0.9.0 thru 1.2 1991-1995 CWI yes  
1.3 thru 1.5.2 1.2 1995-1999 CNRI yes  
1.6 1.5.2 2000 CNRI no  
2.0 1.6 2000 BeOpen.com no  
1.6.1 1.6 2001 CNRI yes (2)  
2.1 2.0+1.6.1 2001 PSF no  
2.0.1 2.0+1.6.1 2001 PSF yes  
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2.2.2 2.2.1 2002 PSF yes  
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2.3.2 2.3.1 2002-2003 PSF yes  
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2.3.5 2.3.4 2005 PSF yes  
2.4 2.3 2004 PSF yes  
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.6	1.5.2 2000	CNRI	no
2.0	1.6 2000	BeOpen.com	no
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2.1	2.0+1.6.1 2001	PSF	no
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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6	1.5.2 2000	CNRI	no
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2.1	2.0+1.6.1 2001	PSF	no
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2.2	2.1.1 2001	PSF	yes
2.1.2	2.1.1 2002	PSF	yes
2.1.3	2.1.2 2002	PSF	yes
2.2.1	2.2 2002	PSF	yes
2.2.2	2.2.1 2002	PSF	yes
2.2.3	2.2.2 2003	PSF	yes
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2.3.2 2.3.1 2002-2003 PSF yes  
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2.3.4 2.3.3 2004 PSF yes  
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2.4 2.3 2004 PSF yes  
2.4.1 2.4 2005 PSF yes  
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### Pass-Through Information:

This binary distribution of NumPy also bundles the following software:

Name: OpenBLAS

Files: .libs/libopenb\*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/xianyi/OpenBLAS/>

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Name: LAPACK

Files: .libs/libopenb\*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/xianyi/OpenBLAS/>

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Name: GCC runtime library

Files: .libs/libgfortran\*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

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Version 3.1, 31 March 2009

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This binary distribution of NumPy also bundles the following software:

Name: OpenBLAS

Files: .libs/libopenb\*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/xianyi/OpenBLAS/>

License: 3-clause BSD

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Name: LAPACK

Files: .libs/libopenb\*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/xianyi/OpenBLAS/>

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Name: GCC runtime library

Files: .libs/libgfortran\*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

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Version 3.1, 31 March 2009

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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6 1.5.2	2000	CNRI	no
2.0 1.6	2000	BeOpen.com	no
1.6.1 1.6	2001	CNRI	yes (2)

2.1 2.0+1.6.1 2001 PSF no  
2.0.1 2.0+1.6.1 2001 PSF yes  
2.1.1 2.1+2.0.1 2001 PSF yes  
2.2 2.1.1 2001 PSF yes  
2.1.2 2.1.1 2002 PSF yes  
2.1.3 2.1.2 2002 PSF yes  
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2.4 2.3 2004 PSF yes  
2.4.1 2.4 2005 PSF yes  
2.4.2 2.4.1 2005 PSF yes  
2.4.3 2.4.2 2006 PSF yes  
2.5 2.4 2006 PSF yes  
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1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6 1.5.2 2000		CNRI	no
2.0 1.6 2000		BeOpen.com	no
1.6.1 1.6 2001		CNRI	no
2.1 2.0+1.6.1	2001	PSF	no
2.0.1 2.0+1.6.1	2001	PSF	yes
2.1.1 2.1+2.0.1	2001	PSF	yes
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1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no  
1.6.1 1.6 2001 CNRI yes (2)  
2.1 2.0+1.6.1 2001 PSF no  
2.0.1 2.0+1.6.1 2001 PSF yes  
2.1.1 2.1+2.0.1 2001 PSF yes  
2.2 2.1.1 2001 PSF yes  
2.1.2 2.1.1 2002 PSF yes  
2.1.3 2.1.2 2002 PSF yes  
2.2.1 2.2 2002 PSF yes  
2.2.2 2.2.1 2002 PSF yes  
2.2.3 2.2.2 2003 PSF yes  
2.3 2.2.2 2002-2003 PSF yes  
2.3.1 2.3 2002-2003 PSF yes  
2.3.2 2.3.1 2002-2003 PSF yes  
2.3.3 2.3.2 2002-2003 PSF yes  
2.3.4 2.3.3 2004 PSF yes  
2.3.5 2.3.4 2005 PSF yes  
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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-

from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

2.2.2 2.2.1 2002 PSF yes

2.2.3 2.2.2 2003 PSF yes

2.3 2.2.2 2002-2003 PSF yes

2.3.1 2.3 2002-2003 PSF yes

2.3.2 2.3.1 2002-2003 PSF yes

2.3.3 2.3.2 2002-2003 PSF yes

2.3.4 2.3.3 2004 PSF yes

2.3.5 2.3.4 2005 PSF yes

2.4 2.3 2004 PSF yes

2.4.1 2.4 2005 PSF yes

2.4.2 2.4.1 2005 PSF yes

2.4.3 2.4.2 2006 PSF yes

2.5 2.4 2006 PSF yes

2.7 2.6 2010 PSF yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,  
because its license has a choice of law clause. According to  
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1  
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Thanks to the many outside volunteers who have worked under Guido's  
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as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (see <http://www.digicool.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Digital Creations is a sponsoring member of the PSF.

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from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6	1.5.2 2000	CNRI	no
2.0	1.6 2000	BeOpen.com	no
1.6.1	1.6 2001	CNRI	no
2.1	2.0+1.6.1 2001	PSF	no
2.0.1	2.0+1.6.1 2001	PSF	yes
2.1.1	2.1+2.0.1 2001	PSF	yes
2.2	2.1.1 2001	PSF	yes

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1.6 1.5.2 2000 CNRI no  
2.0 1.6 2000 BeOpen.com no  
1.6.1 1.6 2001 CNRI yes (2)  
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2.0.1 2.0+1.6.1 2001 PSF yes  
2.1.1 2.1+2.0.1 2001 PSF yes  
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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

2.2.2 2.2.1 2002 PSF yes

2.2.3 2.2.2 2003 PSF yes

2.3 2.2.2 2002-2003 PSF yes

2.3.1 2.3 2002-2003 PSF yes

2.3.2 2.3.1 2002-2003 PSF yes

2.3.3 2.3.2 2002-2003 PSF yes

2.3.4 2.3.3 2004 PSF yes

2.3.5 2.3.4 2005 PSF yes

2.4 2.3 2004 PSF yes

2.4.1 2.4 2005 PSF yes

2.4.2 2.4.1 2005 PSF yes

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1.6.1 1.6	2001	CNRI	no
2.1 2.0+1.6.1	2001	PSF	no
2.0.1 2.0+1.6.1	2001	PSF	yes
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2.0	1.6 2000	BeOpen.com	no
1.6.1	1.6 2001	CNRI	yes (2)
2.1	2.0+1.6.1 2001	PSF	no
2.0.1	2.0+1.6.1 2001	PSF	yes
2.1.1	2.1+2.0.1 2001	PSF	yes
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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope



Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

2.2.2 2.2.1 2002 PSF yes

2.2.3 2.2.2 2003 PSF yes

2.3 2.2.2 2002-2003 PSF yes

2.3.1 2.3 2002-2003 PSF yes

2.3.2 2.3.1 2002-2003 PSF yes

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2.3.4 2.3.3 2004 PSF yes

2.3.5 2.3.4 2005 PSF yes

2.4 2.3 2004 PSF yes

2.4.1 2.4 2005 PSF yes

2.4.2 2.4.1 2005 PSF yes

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zlib

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The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build::

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6	1.5.2 2000	CNRI	no
2.0	1.6 2000	BeOpen.com	no
1.6.1	1.6 2001	CNRI	yes (2)
2.1	2.0+1.6.1 2001	PSF	no
2.0.1	2.0+1.6.1 2001	PSF	yes
2.1.1	2.1+2.0.1 2001	PSF	yes
2.2	2.1.1 2001	PSF	yes
2.1.2	2.1.1 2002	PSF	yes
2.1.3	2.1.2 2002	PSF	yes
2.2.1	2.2 2002	PSF	yes
2.2.2	2.2.1 2002	PSF	yes
2.2.3	2.2.2 2003	PSF	yes
2.3	2.2.2 2002-2003	PSF	yes
2.3.1	2.3 2002-2003	PSF	yes
2.3.2	2.3.1 2002-2003	PSF	yes
2.3.3	2.3.2 2002-2003	PSF	yes
2.3.4	2.3.3 2004	PSF	yes
2.3.5	2.3.4 2005	PSF	yes
2.4	2.3 2004	PSF	yes
2.4.1	2.4 2005	PSF	yes
2.4.2	2.4.1 2005	PSF	yes
2.4.3	2.4.2 2006	PSF	yes
2.5	2.4 2006	PSF	yes
2.7	2.6 2010	PSF	yes

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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python

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Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

2.2.2 2.2.1 2002 PSF yes



2.2.3 2.2.2 2003 PSF yes

2.3 2.2.2 2002-2003 PSF yes

2.3.1 2.3 2002-2003 PSF yes

2.3.2 2.3.1 2002-2003 PSF yes

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2.3.4 2.3.3 2004 PSF yes

2.3.5 2.3.4 2005 PSF yes

2.4 2.3 2004 PSF yes

2.4.1 2.4 2005 PSF yes

2.4.2 2.4.1 2005 PSF yes

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2.7 2.6 2010 PSF yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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\* \* \* \* \*

zlib

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The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build::

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### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6 1.5.2	2000	CNRI	no
2.0 1.6	2000	BeOpen.com	no
1.6.1 1.6	2001	CNRI	yes (2)
2.1 2.0+1.6.1	2001	PSF	no
2.0.1 2.0+1.6.1	2001	PSF	yes
2.1.1 2.1+2.0.1	2001	PSF	yes
2.2 2.1.1	2001	PSF	yes
2.1.2 2.1.1	2002	PSF	yes
2.1.3 2.1.2	2002	PSF	yes
2.2.1 2.2	2002	PSF	yes
2.2.2 2.2.1	2002	PSF	yes
2.2.3 2.2.2	2003	PSF	yes
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2.3.1 2.3	2002-2003	PSF	yes
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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release Derived Year Owner GPL-  
from compatible? (1)

0.9.0 thru 1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2 1995-1999	CNRI	yes
1.6 1.5.2	2000	CNRI	no
2.0 1.6	2000	BeOpen.com	no
1.6.1 1.6	2001	CNRI	yes (2)
2.1 2.0+1.6.1	2001	PSF	no
2.0.1 2.0+1.6.1	2001	PSF	yes
2.1.1 2.1+2.0.1	2001	PSF	yes
2.2 2.1.1	2001	PSF	yes
2.1.2 2.1.1	2002	PSF	yes
2.1.3 2.1.2	2002	PSF	yes
2.2.1 2.2	2002	PSF	yes
2.2.2 2.2.1	2002	PSF	yes
2.2.3 2.2.2	2003	PSF	yes
2.3 2.2.2	2002-2003	PSF	yes

2.3.1 2.3 2002-2003 PSF yes  
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2.3.4 2.3.3 2004 PSF yes  
2.3.5 2.3.4 2005 PSF yes  
2.4 2.3 2004 PSF yes  
2.4.1 2.4 2005 PSF yes  
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Version 3, 29 June 2007

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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- \* R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound Constrained Optimization, (1995), SIAM Journal on Scientific and Statistical Computing, 16, 5, pp. 1190-1208.
- \* C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B, FORTRAN routines for large scale bound constrained optimization (1997), ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
- \* J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B, FORTRAN routines for large scale bound constrained optimization (2011), ACM Transactions on Mathematical Software, 38, 1.

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Availability:

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- \* C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B, FORTRAN routines for large scale bound constrained optimization (1997), ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
- \* J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B, FORTRAN routines for large scale bound constrained optimization (2011), ACM Transactions on Mathematical Software, 38, 1.

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