

# Python Filesystems and Filesystem API

## Adopting a Shared Abstract Filesystem API

### Associated JIRA Issues

To add issues to the list, apply the "filesystem" label to issues in JIRA

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
ARRO W-6463	[C++][Python] Rename arrow::fs::Selector to FileSelector	↑	Sep 05, 2019	Sep 05, 2019		Krisztian Szucs	Krisztian Szucs	🔴	OPEN	Unresolved
ARRO W-6324	[C++] File system API should expand paths	↑	Aug 22, 2019	Aug 27, 2019		Unassigned	Neal Richardson	🔵	OPEN	Unresolved
ARRO W-5494	[Python] Create FileSystem bindings	↑	Jun 03, 2019	Sep 16, 2019		Krisztian Szucs	Antoine Pitrou	🔴	IN PROGRESS	Unresolved
ARRO W-5378	[C++] Add local FileSystem implementation	↑	May 20, 2019	May 30, 2019		Antoine Pitrou	Antoine Pitrou	🔴	RESOLVED	Fixed
ARRO W-5073	[C++] Build toolchain support for libcurl	+	Mar 29, 2019	Jun 28, 2019		Unassigned	Wes McKinney	🔴	OPEN	Unresolved
ARRO W-5072	[Python] write_table fails silently on S3 errors	🔴	Mar 29, 2019	Aug 22, 2019		Unassigned	Paul George	🔵	OPEN	Unresolved
ARRO W-4860	[C++] Build AWS C++ SDK for Windows in conda-forge	↑	Mar 13, 2019	Aug 21, 2019		Unassigned	Wes McKinney	🔴	CLOSED	Fixed
ARRO W-4668	[C++] Support GCP BigQuery Storage API	+	Feb 23, 2019	Aug 31, 2019		Unassigned	Micah Kornfield	🔴	OPEN	Unresolved
ARRO W-4208	[CI/Python] Have automatized tests for S3	↑	Jan 09, 2019	Sep 14, 2019		Rok Mihevc	Krisztian Szucs	🔴	OPEN	Unresolved
ARRO W-3717	[Python] Add GCSFSWrapper for DaskFileSystem	+	Nov 08, 2018	Apr 17, 2019		Unassigned	Emmett McQuinn	🔴	OPEN	Unresolved
ARRO W-3503	[Python] Allow config hadoop_bin in pyarrow hdfs.py	+	Oct 12, 2018	May 31, 2019		Unassigned	Wenbo Zhao	🔴	OPEN	Unresolved
ARRO W-2600	[Python] Add additional LocalFileSystem filesystem methods	↑	May 17, 2018	Jun 28, 2019		Unassigned	Alex Hagerman	🔵	OPEN	Unresolved
ARRO W-2081	Hdfs client isn't fork-safe	🔴	Feb 01, 2018	May 14, 2019		Unassigned	Jim Crist	🔴	OPEN	Unresolved
ARRO W-2034	[C++] Filesystem implementation for Azure Blob Store	+	Jan 25, 2018	Mar 29, 2019		Uwe L. Korn	Wes McKinney	🔴	OPEN	Unresolved
ARRO W-2013	[Python] Add AzureDataLakeFileSystem to be used with ParquetDataset and reader/writer functions	+	Jan 19, 2018	Mar 29, 2019		Unassigned	Nicholas Pezolano	🔵	OPEN	Unresolved

ARRO W- 1848	[Python] Add documentation examples for reading single Parquet files and datasets from HDFS		Nov 22, 2017	Jun 28, 2019	Unassigned	Wes McKinney		<input type="button" value="OPEN"/>	Unresolved
ARRO W- 1682	[Python] Add documentation / example for reading a directory of Parquet files on S3		Oct 18, 2017	May 22, 2019	Unassigned	Wes McKinney		<input type="button" value="OPEN"/>	Unresolved
ARRO W- 1456	[Python] Run s3fs unit tests in Travis CI		Sep 03, 2017	Sep 14, 2019	Rok Mihevc	Wes McKinney		<input type="button" value="OPEN"/>	Unresolved
ARRO W- 1319	[Python] Add additional HDFS filesystem methods		Aug 02, 2017	May 14, 2019	Unassigned	Martin Durant		<input type="button" value="OPEN"/>	Unresolved
ARRO W- 1292	[C++/Python] Expand libhdfs feature coverage		Jul 28, 2017	May 14, 2019	Wes McKinney	Wes McKinney		<input type="button" value="OPEN"/>	Unresolved

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