

IcePatch2-FileServer

IcePatch2::FileServer

Overview

interface FileServer

The interface that provides access to files.

Operation Index

[getFileInfoSeq](#) — Return the [IcePatch2::FileInfoSeq](#) for the specified partition.

[getChecksumSeq](#) — Return the checksums for all partitions.

[getChecksum](#) — Return the master checksum for all partitions.

[getFileCompressed](#) — Read the specified file.

Operations

["nonmutating"] [IcePatch2::FileInfoSeq](#) [getFileInfoSeq](#)(int partition) throws [IcePatch2::PartitionOutOfRangeException](#)

Return the [IcePatch2::FileInfoSeq](#) for the specified partition. If the partition number is out of range, the operation throws [PartitionOutOfRangeException](#).

Parameters

partition — The partition number in the range 0-255.

Return Value

A sequence containing the [IcePatch2::FileInfo](#) structures for files in the specified partition.

["nonmutating"] [IcePatch2::ByteSeqSeq](#) [getChecksumSeq](#)()

Return the checksums for all partitions.

Return Value

A sequence containing 256 checksums. Partitions with a checksum that differs from the previous checksum for the same partition contain updated files. Partitions with a checksum that is identical to the previous checksum do not contain updated files.

["nonmutating"] [Ice::ByteSeq](#) [getChecksum](#)()

Return the master checksum for all partitions. If this checksum is the same as for a previous run, the entire file set is up-to-date.

Return Value

The master checksum for the file set.

["amd", "nonmutating", "cpp:array"] [Ice::ByteSeq](#) [getFileCompressed](#)(string path, int pos, int num) throws [IcePatch2::FileAccessException](#)

Read the specified file. If the read operation fails, the operation throws [IcePatch2::FileAccessException](#). This operation may only return fewer bytes than requested in case there was an end-of-file condition.

Parameters

path — The pathname (relative to the data directory) for the file to be read.

pos — The file offset at which to begin reading.

num — The number of bytes to be read.

Return Value

A sequence containing the compressed file contents.
