

U.S. Pat. No. 10,585,850 (Claims 1-21)

Claims 1-9	Claims 10-17	Claim 18
[1.1] A method of restoring a file to a previous version of the file, a current version of the file being available at a local storage location, comprising the steps of:	[10.1] A method of restoring a file to a previous version of the file, a current version of the file being available at a local storage location, comprising the steps of:	[18.1] A method of restoring a file to a previous version of the file, a current version of the file being available at a local storage location, comprising the steps of:
		[18.2] (A) iteratively transmitting a representation of at least a portion of a current version of a file to a remote storage location for archiving the current version responsive to a determination of an availability of the remote storage location for accepting a transmission of the representation, the current version being accessible at a computational machine, the remote storage location being accessible through a network;
[1.2] (A) presenting information for a collection of one or more previous versions of the file, the information for the collection including information indicative of at least one or more of previous versions of the file, wherein a restorable representation of each version, V, of the previous versions, is retrievable from a remote storage location, the restorable representation having at least information required for recovering the version V by a computational machine with the current version being accessible, the remote storage location being accessible through a network;	[10.2] (A) presenting information for a collection of one or more previous versions of the file, the information for the collection including information indicative of at least one or more of previous versions of the file, wherein a restorable representation of each version, V, of the previous versions, is retrievable from a remote storage location, the restorable representation having at least information required for recovering the version V, the remote storage location being accessible through a network;	[18.3] (B) presenting information for a collection of one or more previous versions of the file, the information for the collection including information indicative of at least one or more of previous versions of the file, wherein a restorable representation of each version, V, of the previous versions, is retrievable from the remote storage location, the restorable representation having at least information required for recovering the version V by the computational machine, the remote storage location being accessible through a network;

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[1.3] (B) responsive to a selection to preview a selected previous version of the file based on the presented information for the collection of (A), presenting a presentable representation of the selected previous version, the selected previous version being one of the previous versions of the file in the presented information for the collection, the presentable representation having at least information required for presenting at least a portion of the selected previous version by the computation machine with the current version being accessible; and	[10.3] (B) responsive to a selection to preview a selected previous version of the file based on the presented information for the collection of (A), presenting a presentable representation of the selected previous version, the selected previous version being one of the previous versions of the file in the presented information for the collection, the presentable representation having at least information required for presenting at least a portion of the selected previous version;	[18.4] (C) responsive to a selection to preview a selected previous version of the file based on the presented information for the collection of (B), presenting a presentable representation of the selected previous version, the selected previous version being one of the previous versions of the file in the presented information for the collection, the presentable representation having at least information required for presenting at least a portion of the selected previous version by the computation machine with the current version being accessible; and
[1.4] (C) responsive to a selection to restore the selected previous version, retrieving the restorable representation of the selected previous version from the remote storage location and storing the selected previous version by the computational machine as the current version on the local storage location, the selected previous version available from the restorable representation of the selected previous version.	[10.4] (C) responsive to a selection to restore the selected previous version, retrieving the restorable representation of the selected previous version from the remote storage location and storing the selected previous version as the current version on the local storage location, the selected previous version available from the restorable representation of the selected previous version.	[18.5] (D) responsive to a selection to restore the selected previous version, retrieving the restorable representation of the selected previous version from the remote storage location and storing the selected previous version by the computational machine as the current version on the local storage location, the selected previous version available from the restorable representation of the selected previous version.
[2] The method of claim 1, wherein, for the presenting of (B), the presentable representation is presented using an application that created the file or the selected previous version.	[11] The method of claim 10, wherein, for the presenting of (B), the presentable representation is presented using an application that created the file or the selected previous version.	
[3] The method of claim 2, wherein the application is in a read-only mode.		

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[4] The method of claim 1, wherein the information includes at least two previous versions of the file.	[12] The method of claim 10, wherein the information includes at least two previous versions of the file.	
[5] The method of claim 1, wherein the information for the collection includes information indicative of at least one or more of a timestamp, an original file location, and a comment of the previous versions or the file.	[13] The method of claim 10, wherein the information for the collection includes information indicative of at least one or more of a timestamp, an original file location, and a comment of the previous versions or the file.	
[6.1] The method of claim 1, further comprising the steps of: (B2) after the presenting of (B) and responsive to a selection to not restoring the previous version and responsive to a second selection of a second previous version of the previous versions, version presenting a second presentable representation of the selected second previous version, the second presentable representation having at least information required for presenting at least a portion of the selected previous version; and	[14.1] The method of claim 10, further comprising the steps of: (B2) after the presenting of (B) and responsive to a selection to not restoring the previous version and responsive to a second selection of a second previous version of the previous versions, version presenting a second presentable representation of the selected second previous version, the second presentable representation having at least information required for presenting at least a portion of the selected previous version; and	
[6.2] (C2) responsive to a selection to restore the second selected previous version, retrieving the restorable representation of the second selected previous version from the remote storage location and storing the second selected previous version as the current version on the local storage location, the second selected previous version available from	[14.2] (C2) responsive to a selection to restore the second selected previous version, retrieving the restorable representation of the second selected previous version from the remote storage location and storing the second selected previous version as the current version on the local storage location, the second selected previous version available from	

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the restorable representation of the second selected previous version.	the restorable representation of the second selected previous version.	
[7] The method of claim 1, wherein the restorable representation of the selected previous version comprises one or more of a compressed and encrypted version of the selected previous version.	[15] The method of claim 10, wherein the restorable representation of the selected previous version comprises one or more of a compressed and encrypted version of the selected previous version.	
[8] The method of claim 1, wherein the restorable representation of the selected previous version comprises an incremental change to the file.	[16] The method of claim 10, wherein the restorable representation of the selected previous version comprises an incremental change to the file.	
[9] The method of claim 1, wherein the method has a substantially imperceptible impact on system performance from a user's point of view by delaying one or more operations to prevent a perceptible impact on system performance from a user's point of view.	[17] The method of claim 10, wherein the method has a substantially imperceptible impact on system performance from a user's point of view by delaying one or more operations to prevent a perceptible impact on system performance from a user's point of view.	

Claim 19-21
[19.1] A method of restoring a file to a previous version of the file, a current version of the file being available at a local storage location, comprising the steps of:
[19.2] (a) receiving a request to display a list of captured revisions for a file;
[19.3] (b) displaying a list of captured revisions for said file;
[19.4] (c) receiving a selection from said list indicating a revision of said file to restore;
[19.5] (d) previewing selected revision of said file, wherein said selected revision of said file is received from an Internet storage area network;
[19.6] (e) receiving another selection from said list indicating another revision of said file to restore;
[19.7] (f) previewing selected another revision of said file wherein said selected another revision of said file is received from a network attached storage location; and
[19.8] (g) restoring selected another revision of said file following said previewing step in (f), optionally, decrypting said selected revision of said file prior to step (d) and decrypting said selected another revision of said file prior to step (f).

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[20] The method of claim 19, wherein said method comprises decompressing said selected revision of said file prior to (d) and decompressing said selected another revision of said file prior to (f).

[21] The method of claim 19, further comprising the step of decompressing said selected revision of said file prior to step (d) and decompressing said selected another revision of said file prior to step (f).