

CLAIMS:

1. A method of managing metadata comprising:
connecting a source data storage system (DSS) that stores both data and metadata to a metadata management platform (MMP);
scanning metadata records onto the MMP from the DSS;
storing metadata attributes for at least one of the group consisting of directories and buckets on the DSS in a look-up table on the MMP; and
adding updated metadata attributes to the look-up table on the MMP for each subsequent scan of the DSS.
2. The method of claim 1, wherein the DSS stores the metadata separate from the data, and stores the metadata attributes in at least one of the group consisting of directories or buckets separate from the data.
3. The method of claim 1, wherein the MMP is separate from and external to the DSS and only metadata is stored on the MMP.
4. The method of claim 1, comprising scanning the metadata from all the files and all the directories from the DSS onto the MMP or scanning the metadata from all the objects and all the buckets from the DSS onto the MMP.
5. The method of claim 1, wherein the look-up table comprises a plurality of entries and each entry comprises at least one of the group consisting of a directory or bucket and its corresponding metadata attributes.
6. The method of claim 5, wherein adding updates to the look-up table comprises adding one or more new metadata attributes in the look-up table to at least one of the group consisting of an existing directory or an existing bucket in the one or more of the plurality of entries in the look-up table.
7. The method of claim 8, wherein adding updates to the look-up table comprises adding one or more new entries to the look-up table.
8. The method of claim 1, further comprising, in response to a file or object metadata record being scanned onto the MMP, inspecting a file path or an object path and extracting a directory or bucket from the file path or object path.
9. The method of claim 8, wherein the MMP inspects the file path and object path and extracts the directory or bucket.

10. The method of claim 8, further comprising, in response to extracting the directory or bucket from the file path or object path, performing a look up for the extracted directory or bucket in the look-up table.
11. The method of claim 9, further comprising, in response to the extracted directory or bucket matching an entry in the lookup table, applying any metadata attributes associated with the matching entry in the look-up table to the metadata record and storing the metadata record with the applied metadata attributes as an enhanced metadata record in the MMP having metadata attributes.
12. The method of claim 1, further comprising, in response to at least one of the group consisting of a file and an object being created on the connected DSS, pushing a notification containing the metadata for the at least one of the group consisting of a file and an object from the DSS to the MMP.
13. The method of claim 12, further comprising, in response to the notification being pushed to the MMP, identifying the event type from the metadata as a create instruction for the at least one of the group consisting of the file and object.
14. The method of claim 12, further comprising inspecting at least one of the group consisting of the file path and the object path from the metadata pushed to the MMP and extracting from the at least one of the group consisting of the file path and object path a directory or a bucket corresponding to the at least one of the file and object created in the DSS.
15. The method of claim 14, further comprising, in response to extracting the directory or bucket from the metadata pushed to the MMP, performing a lookup to determine if the extracted directory or bucket matches a directory or bucket in the look-up table, and in response to the extracted directory or bucket matching a directory or bucket in the look-up table, attaching the metadata attributes corresponding to the matching directory or bucket in the look-up table to the metadata record to form an enhanced metadata record in the MMP having metadata attributes.
16. The method of claim 15, further comprising saving the enhanced metadata record having metadata attributes in the MMP.
17. A system for managing metadata comprising:
 - a metadata management platform (MMP) containing circuitry and logic, the MMP configured to connect to a data storage system (DSS) that stores data and metadata separate from the data and has metadata attributes set in at least one of the group consisting of a directory for a file system and a bucket for an object system, wherein the MMP comprises:
 - a database to store enhanced metadata records having metadata attributes, and

a cache look-up table having a plurality of entries, each entry having at least one of the group consisting of a directory and a bucket and corresponding metadata attributes for the directory or bucket,

wherein the MMP is configured to receive metadata records from the DSS and store metadata attributes from the at least one of the group consisting of a directory or a bucket in the look-up table on the MMP,

wherein the MMP is further configured to inspect the file path or object path in the metadata record for the file's directory or the object's bucket, perform a search in the look-up table for an entry with a matching directory or bucket, apply the metadata attributes to the metadata record from the entry in the look-up table with the matching directory or bucket to create an enhanced metadata record having metadata attributes, and save the enhanced metadata record in the database on the MMP.

18. The system of claim 17, wherein the MMP is further configured to receive metadata records from a scan of the DSS and add updated metadata attributes to the look-up table on the MMP for each additional scan of the DSS.

19. The system of claim 17, wherein the MMP is further configured to:

in response to at least one of the group consisting of a file and an object being created on the DSS, receive a notification containing the metadata for the at least one of the group consisting of a file and an object;

inspect at least one of the group consisting of the file path and the object path from the metadata in the notification received;

extract from the at least one of the group consisting of the file path and the object path a directory or a bucket corresponding to the at least one of the file and object created on the DSS; and

search the look-up table for an entry that matches the extracted directory or bucket.

20. The system of claim 19, wherein the MMP is further configured to:

determine if the extracted directory or bucket matches a directory or bucket in the look-up table;

in response to the extracted directory or bucket matching a directory or bucket in one of the plurality of entries in the look-up table, attach the metadata attributes from the matched entry to the metadata record to form an enhanced metadata record; and

save the enhanced metadata record in the database.