```
+--------------------------------------------------+
|                                                  |
|                  Application                     |
|                                                  |
+------------+-------------------------------------+
|            |                                     |
|   MPI-IO   |              PLFS                    |
|            |                                     |
+------------+-------------------------------------+
|                                                  |
|                  Cluster FS                      |
|                                                  |
+--------------------------------------------------+
|                                                  |
|                   Storage                        |
|                                                  |
+--------------------------------------------------+
```