GlideinWMS - Feature #24165

Refactor credential handling

03/10/2020 12:18 PM - Marco Mambelli

Status:	New	**Start date:**	03/10/2020
Priority:	Normal	**Due date:**	
Assignee:	Marco Mambelli	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:	v3_7_2	**Spent time:**	0.00 hour
Stakeholders:			

Description

In credential handling, there are many general codes and assumptions that could lead to bugs like [#24160].
It further lacks generality assuming the x509 certificates.
This is particularly important considering that the code will probably change to handle tokens.
Here a list that could be handled also in separate tickets:

1. factor out general utility function like safe_update and compress+encode
2. explicitly mention the type of credential and the format it is stored in and if it has a special purpose (e.g. compressed is not the same as compressed+key_value)
3. clean the code using context managers when possible (os.file)
4. be ready to handle multiple credential types for one entry (and multiple attempts)
    1. discuss w/ factory operators or SH meeting: specify the cred type or try all? 2 options (diff cred -> diff entry, try a list of entry and FE +stop at failure, try first one in entry list provided by FE)

Keep an eye on existing credential tickets, like [#23768]

History

#1 - 11/06/2020 04:41 PM - Marco Mambelli

- Target version changed from v3_7_1 to v3_7_2