

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_1	Spent time:	0.00 hour
Stakeholders:			
Description			
<p>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:</p> <ol style="list-style-type: none">1. factor out general utility function like <code>safe_update</code> and <code>compress+encode</code>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 <code>compressed+key_value</code>)3. clean the code using context managers when possible (<code>os.file</code>)4. be ready to handle multiple credential types for one entry (and multiple attempts)<ol style="list-style-type: none">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) <p>Keep an eye on existing credential tickets, like [#23768]</p>			