

# Proactive repository health check

<b>Title</b>	Proactive repository health check
<b>Primary Actor</b>	Repository Administrator, Preservation Archivist
<b>Scope</b>	Organization (black-box)
<b>Level</b>	Very High Summary
<b>Story (A paragraph or two describing what happens)</b>	<p>The repository should proactively provide the capability to check and provide status on its contents out of the box. This could include the following:</p> <ul style="list-style-type: none"><li>• Maintain a registry of items (objects / resources) in the repository.</li><li>• Out of the box, routinely check the validity of all items at a frequency easily specified by a system administrator. For example, the default frequency could be annually, but easily configurable to quarterly. These checks may take considerable time and could be asynchronous.</li><li>• Log the results and notify the administrator of any errors.</li><li>• Provide the capability to obtain the overall health of the repository at any time, returning relatively recent rollup results.</li></ul> <p>For example:</p> <ul style="list-style-type: none"><li>◦ Results could include how many items were checked in the last day/week/month/quarter year, any items that have not been checked in more than 3/6/12 months, and summary success / failure of the checks.</li><li>◦ Results could be summarized daily with the most recent daily result provided back to the original requester.</li></ul>