

2022

# Hawai'i Annual Code Challenge (HACC)

<b>Challenge Title</b>	URL Compressor
<b>Department / Organization</b>	DAGS/ETS – Security Branch
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<b>The Challenge</b>	
<b>Describe situation to be solved</b>	Create a URL shortener for state agencies to be used as trusted short links to be used in communications.
<b>Preconditions</b> <i>(How does it work now)</i>	<ol style="list-style-type: none"><li>1. When a state agency wishes to share a link, the actual link can be very long.</li><li>2. The State of Hawaii has the domain hi.gov registered.</li></ol>
<b>Assumptions/Issues</b> <i>(list any conditions that could impact the solution)</i>	<ol style="list-style-type: none"><li>1. Many URL shorteners are blocked from within the state network because they've repeatedly been used to share malware.</li><li>2. By using a trusted service, malicious links are less likely to be shared.</li></ol>
<b>Current Approach</b> <i>(how is situation currently being handled)</i>	<ol style="list-style-type: none"><li>1. The full URL is being shared.</li></ol>
<b>Users</b> <i>(Who would use the application - employees or constituents or both? How many users would there be?)</i>	<ol style="list-style-type: none"><li>1. State agencies that wish to share a link to a website.</li></ol>
<b>Business Rules</b>	<p>Identify any business rules or constraints that would impact solution approach – (for example if your app was to collect field data for an Animal tracking app, you might specify the app should be limited to android devices because that is what would be supplied to collectors)</p> <ol style="list-style-type: none"><li>1. The hi.gov domain can be used for URL shortcuts.</li></ol>

	2. This domain can be authorized and permitted for use on the state network.
<b>Special Requirements</b>	Identify any special non-functional requirements, such legal, privacy or performance issues to be considered during design or implementation  ???
<b>Technical Platforms</b> <i>(in use or desired to be used)</i>	1. Open source 2. SaSS
<b>Data set to be used or collected</b>	1. Usage data may be collected and reported.
<b>Data set calculations or reporting needs</b>	
<b>Solution Road Map</b>	
<b>Basic Flow</b> <i>(steps of user action/system response)</i>	1. An authorized user in a state agency places a request for a shortened link. 2. A shortened link is provided the requester.
<b>Goal of Solution</b>	1. Provide a trusted domain for creating short URL links that are trusted and authorized by the State of Hawaii. 2.
<b>Business Value</b> <i>(potential financial or time savings)</i>	Simplify marketing efforts. ?
<b>Success Scenario</b> <i>(how you know a solution is working)</i>	State agencies would be able to create or request shortened URL links that can are trusted and easily shared.
<b>To be completed by the HACC Planning Committee</b>	
<b>Community/Industry Data Available</b>	
<b>Potential Community/Industry Co-Sponsors</b>	