Best practices for optimizing Docker Hub usage

Use the following steps to help optimize and manage your Docker Hub usage for both individuals and organizations:

1. View your Docker Hub usage.
2. Use the Docker Hub usage data to identify which accounts consume the most data, determine peak usage times, and identify which images are related to the most data usage. In addition, look for usage trends, such as the following:
   - Inefficient pull behavior: Identify frequently accessed repositories to assess whether you can optimize caching practices or consolidate usage to reduce pulls.
   - Inefficient automated systems: Check which automated tools, such as CI/CD pipelines, may be causing higher pull rates, and configure them to avoid unnecessary image pulls.
3. Optimize image pulls by:
   - Using caching: Implement local image caching via mirroring or within your CI/CD pipelines to reduce redundant pulls.
   - Automating manual workflows: Avoid unnecessary pulls by configuring automated systems to pull only when a new version of an image is available.
4. Optimize your storage by:
   - Regularly auditing and removing entire repositories with untagged, unused, or outdated images.
   - Using Image Management to remove stale and outdated images within a repository.
5. For organizations, monitor and enforce organizational policies by doing the following:
   - Routinely view Docker Hub usage to monitor usage.
   - Enforce sign-in to ensure that you can monitor the usage of your users and users receive higher usage limits.
   - Look for duplicate user accounts in Docker and remove accounts from your organization as needed.

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