

Unleash integration excellence with HCLTech's MuleSoft Utilities Library

Elevate your MuleSoft implementation through
reusability and innovation



About

HCLTech's MuleSoft Utilities Library

In the realm of MuleSoft implementations, developers have a vital role in addressing both core functions and non-functional elements that define a strong system. These encompass reporting exceptions, auditing transactions, intelligently organizing data, efficiently handling extensive response records, and more. Projects often require mechanisms for retaining and analyzing application logs, revealing project performance. These requirements show a consistent pattern in their implementation. While some are essential for all operations, others come into play with specific demands. However, relying solely on individual developers for implementation is challenging due to their diverse experiences. A standardized approach is crucial. This is where common reusable components come in, forming a cornerstone of the solution. It provides a platform-like approach and equips teams with insights into code delivery, speeding up issue diagnosis and resolution. Our MuleSoft Utilities Library is a collection of such reusable components encapsulated within a single MuleSoft application. The offering includes:

1.

Unified error management: Seamlessly maintain uniformity in error codes and response structures delivered to API consumers. Empower configuration options to override error codes and messages, ensuring flexibility without compromising consistency

2.

Smart notification system: Leverage a sophisticated rule-based notification system. Tailor notifications to your needs, enabling granular control at both the environment and API code levels. Activate or deactivate notifications as needed

3.

Common logging and analytics: Elevate your auditing capabilities with a standardized logging structure. Crafted to include attributes crucial for comprehensive audits, this logging solution streamlines your monitoring and analysis processes and enables pushing out logs to external systems, which can help in better analysis of the functioning and health of the application

4.

Dynamic response filtering: Offer API consumers dynamic filtering prowess. Grant the ability to request specific data subsets via query parameters or request payloads. Uniquely, also facilitates negative filtering, enabling you to exclude designated fields from the payload

5.

Effortless data pagination: Transform the handling of extensive payloads. With precision, split data into pages based on input parameters. Provide a user-friendly approach to navigating voluminous data

6.

Circuit breaker: Bolster application resilience with an ingenious circuit breaker mechanism. This reusable design, leveraging ObjectStore v2, guards against critical errors by temporarily suspending application access

Key features



Seamless logging and monitoring



Through a one-time configuration, effortlessly integrates with third-party logging and monitoring platforms, enhancing your operational insights. Your logging experience is further enhanced through seamless integration with our proprietary logging and analytics platform, HCLTech ROAR

Consistent excellence



Achieve complex, repeatable tasks with a standardized approach. Our library also empowers development teams to seamlessly navigate the library's potential with the guidance of our integrated ChatGPT developer assistance. This ensures a smoother journey to successful project outcomes

Empowering your Center for Excellence (C4E)



The MuleSoft Utilities Library can be the cornerstone of your organization's C4E setting the stage for creating a repository of reusable components that drive innovation

Flexible configurability



Experience versatility without the hassle of code alterations. Our library offers multiple configuration-driven options, granting developers-controlled flexibility tailored to their needs

Streamlined integration



Improve your development process by effortlessly incorporating these utilities into your MuleSoft API code through flow references. It's an intuitive approach that streamlines your workflow

Out-of-the-box simplicity



Experience the convenience of plug-and-play functionality with default values that work harmoniously. Our library's simplicity ensures it's easily usable, without impacting the initial project implementation speed

Impact delivered



Accelerated time to market:

Witness a substantial reduction in development time, leading to a faster Go-To-Market (GTM) strategy



Elevated quality standards:

Attain a new level of quality and reliability in your integration projects with our standardized and uniform coding practices



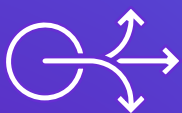
Strategic cost efficiency:

Slash your development costs and minimize redundant efforts with our common reusable code patterns



Harness data-driven decisions:

Unleash the potential of data-driven decisions to fine-tune your integrations and drive business growth with comprehensive logging and analytics capabilities



Tailored flexibility:

Effortlessly adapt your integration strategy to changing business requirements and IT guidelines



Effortless integration:

Eliminate the complexity and streamline your development process. Experience a cohesive and efficient workflow

Business scenarios for HCLTech's MuleSoft Utilities Library

HCLTech's MuleSoft Utilities Library is the answer for a lot of real-time scenarios, a few are:

Scenario 1:

In greenfield MuleSoft implementation, when the need is to have a MuleSoft Platform setup, HCLTech's MuleSoft Utilities Library helps in achieving reusability and standardization of common functionalities in a configurable manner.

Scenario 2:

For organizations engaged in brownfield implementations, where upgrading the MuleSoft Platform architecture is a necessity, the challenge of duplicating developer efforts due to the absence of existing common functionalities is often recognized. This is where the HCLTech's MuleSoft Utilities library steps in, empowering the integration team to enhance the platform architecture with an extensive, reusable multi-functionality library.

Scenario 3:

Within ongoing projects, a notable challenge arises from the excessive variance in common utilities code, leading to difficulties in maintaining consistency across multiple development cycles. In these situations, the HCLTech's MuleSoft Utilities library emerges as a solution, fostering essential homogenization and standardization for frequently reused functionalities.

Scenario 4:

The project is looking for a more flexible alternative to logs, with a focus on enhanced retention and visualization possibilities – including both business and operational KPIs. HCLTech's MuleSoft Utilities Library emerges as a pivotal solution. This library facilitates the creation and publication of logs in a standardized, easily readable key-value format. These logs seamlessly integrate with our proprietary logging and analytics platform, HCLTech ROAR, offering a comprehensive visibility of diverse KPIs and valuable insights into the project's operational dynamics.

HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to 219,000+ people across 54 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending September 2022 totaled \$12.1 billion. To learn how we can supercharge progress for you, visit hcltech.com.

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