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| ST Owner | Amanda Li | |
| User Story |  | |
| Feature Interface | To ensure the reliability, accuracy, and usability of the Gateway Manager feature interface, specifically for managing services and routes | |
| Test Scope | * Add, update, and delete a service in the Gateway Manager. * Add, update, and delete a route for an existing service. * Verify that users can view the correct service and route information on the configuration page. | |
| Check Points | **1 Service**  **Add a Service**   * **Positive Case**: Verify that a user can successfully add a new service by filling out all required fields. * **Negative Case**: Ensure that invalid inputs (e.g., missing fields, incorrect data types) trigger appropriate error messages. * **Edge Case**: Check behavior when adding a service with boundary values (e.g., service name length limit).   **Update a Service**   * **Positive Case**: Ensure a user can update the details of an existing service. * **Negative Case**: Test updates with invalid data (e.g., empty fields, conflicting names). * **Edge Case**: Check if updating non-essential information (e.g., service description) impacts critical functionality.   **Delete a Service**   * **Positive Case**: Verify that a service can be deleted and ensure the service is no longer listed in the UI. * **Negative Case**: Ensure proper handling when attempting to delete a non-existent service. * **Edge Case**: Test the behavior when deleting a service that has active routes associated with it (e.g., ensure proper prompts or error messages).   **2 Route**  **Add a Route**   * **Positive Case**: Verify that a user can add a new route to an existing service. * **Negative Case**: Ensure invalid route configurations (incorrect path, e.g: incorrect format) trigger appropriate validation errors. * **Edge Case**: Test routes with special characters in the path or handling long URL paths.   **Update a Route**   * **Positive Case**: Ensure a user can update the route information for a specific service. * **Negative Case**: Check how the system handles invalid updates (e.g., invalid route path). * **Edge Case**: Test for the ability to handle multiple route updates concurrently.   **Delete a Route**   * **Positive Case**: Verify that a user can successfully delete an existing route. * **Negative Case**: Test the behavior when trying to other route name in ‘Delete a Route’ popover dialog.   **2.3 Configuration Page Verification**   * **Check Service Information**: Verify that the configuration page accurately reflects the current list of services and their details after each add/update/delete operation. * **Check Route Information**: Ensure that route information for each service is displayed correctly and updates in real-time on the configuration page after add/update/delete operations. | |
| Platform | Chrome | |
| Manually / Automatically | Positive cases are automated. | |
| P&R Testing Required? | No. | |
| Risks/Need Clarify | Only cover the workflows to add a service/route with mandatory properties, update tag property during automation testing. |  |
| Test matrix update required? | Yes. | |