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| **Pattern ID** | <Platform/General>\_INT\_<SEQ#>  **Example**: SNOW\_INT\_001 |
| **Pattern Name** | A meaningful way to refer to the pattern, typically a single word or short phrase.  **Example**: “Data Transformation” or “Protocol Bridging” |
| **Problem / Integration Scenario** | A description of the problem indicating the intent in applying the pattern. The intended goals and objectives to be attained within the context and applicability described below.  **Example**: The applications running on heterogeneous environments may uses different protocols to communicate. These applications can’t communicate directly If both applications are not using same protocol with versions.  **Context**: The preconditions under which the pattern is applicable – potential description of the initial state before applying this pattern  **Constraints**: a description of any relevant forces and how they interact/conflict with each other. What tradeoffs needs to be considered  **Example**: Ease-of-use, Scalability, Extensible, Reusable, Manageable, Secure, robust, etc. |
| **Solution - Description** | A description of how to achieve the intended goals and objectives. The description may include guidelines for implementing the solution.  **Example**: Bridging or Protocol Mediation through ESB/Middleware may require to fulfill the communication mechanism between these applications or Interoperable connectivity between the applications. |
| **Solution - Diagram** | Pictorial representation of the solution |
| **Pattern trade-offs** | The post-conditions after the pattern has been applied. Implementing the solution normally will have some trade-offs among the constraints.   * What critical constraints it is solving * Any potential Operational impacts * Processing power impacts * I/O impacts * User-focussed considerations |
| **Rationale** | An explanation/justification of the pattern (as a whole), or individual components within it, indicating how the pattern actually works, and why – how it resolves the constraints.  **Note** that Solution element of the pattern describes the external structure and behavior of the solution: the Rationale provides insight into its internal workings |
| **Related NG Know Uses/Examples** | Known applications of the pattern within NG, verifying that pattern does indeed describe a proven solution to a problem. |
| **Related Patterns\*** | The relationships between this pattern and others. These may be predecessor patterns or successor patterns or alternative patterns |

* \* Optional