

## GUARANÁ SDK 1.4.0

This document compiles the most important changes in Guaraná SDK since its previous version. Please, if you have any doubt contact me at [rzfrantz@gmail.com](mailto:rzfrantz@gmail.com)

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- Process and Port packages from toolkit layer were merged with process and port packages in the framework layer. Now Guaraná users have to extend only port and processes classes from framework layer, ex:

```
import tdg.guarana.framework.port.EntryPort;
```

```
public class MyPort extends EntryPort {  
    ...  
}
```

-----

```
import tdg.guarana.framework.process.Process;
```

```
public class MyIntegrationProcess extends Process {  
    ...  
}
```

- Toolkit layer now has the following main packages:

```
tdg.guarana.toolkit.engine    -> This is the runtime engine  
tdg.guarana.toolkit.adapters -> Adapters to connect to JBI and  
                               RMI resources.  
tdg.guarana.toolkit.task     -> A set of tasks that implement EIPs
```

- ExecutableTaskReporter class was removed. Now every ITaskContainer is an observer, so that Port and Process can observe their internal tasks.

- Abstract classes in task groups were renamed to remove the "Abstract" word from the beginning, as follows:

```
- AbstractTransformer -> Transformer  
- AbstractRouter     -> Router  
- AbstractMapper     -> Mapper  
- AbstractModifier   -> Modifier  
- AbstractTiming     -> Timers  
- AbstractStremDealer -> StremDealer  
- AbstractCommunicator -> Communicator  
- AbstractCompressor -> Compressor  
- AbstractCodec      -> Codec  
- AbstractCipher     -> Cipher
```

- Other classes renamed:

```
- ContextContentEnricher -> ContextBasedContentEnricher  
- ContextHeaderEnricher -> ContextBasedHeaderEnricher  
- ContextSlimmer        -> ContextBasedSlimmer
```

- Processes now must use method **registerProcess()** in Scheduler class to register a process so that the engine monitors its internal tasks, including port's tasks. Ex:

```
Scheduler s = new Scheduler( "My Scheduler" );
MyIntegrationProcess p = new MyIntegrationProcess();
s.registerProcess( p );
s.start();
```

- New values were added to MessageType enumeration:

- COMMAND
- EVENT
- REQUEST
- RESPONSE

- All packages renamed to start with "guarana", for example:

```
guarana.framework.message.*
guarana.framework.port.*
guarana.framework.process.*

guarana.toolkit.engine.*
guarana.toolkit.adapter.*
```