

# Adding LED Blink Code As Task Skills Training

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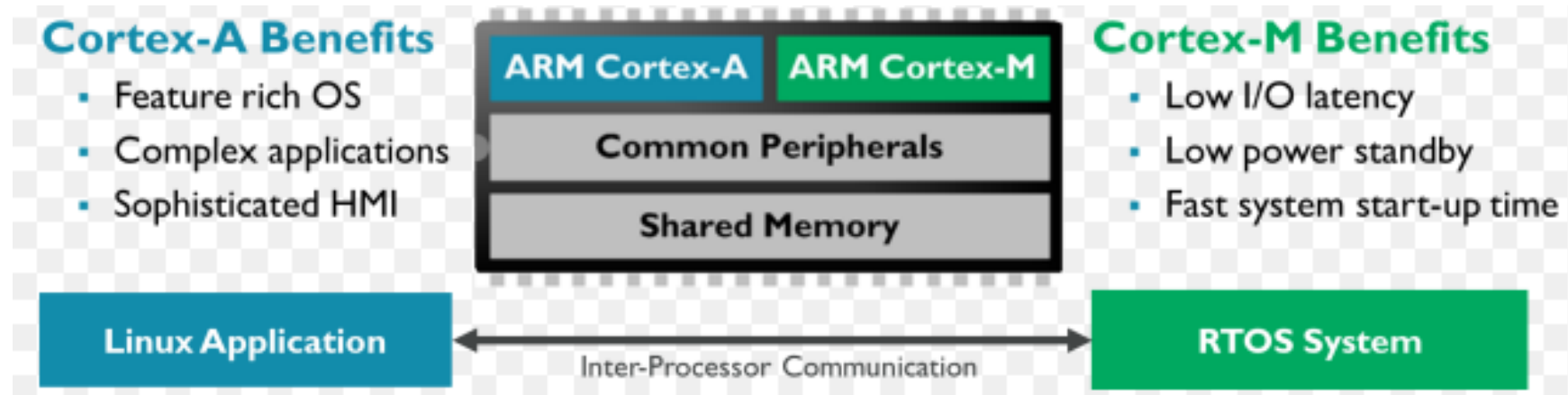


# STM32L Discovery Board IoT Node



# Introduction

## Cortex-A (Linux) and Cortex-M (RTOS)



# Add Code to MX\_GPIO\_Init(void)

```
699 GPIO_InitStruct.Speed = GPIO_SPEED_FREQ_VERY_HIGH;
700 GPIO_InitStruct.Alternate = GPIO_AF4_I2C1;
701 HAL_GPIO_Init(GPIOB, &GPIO_InitStruct);
702
703 //NCM
704 /*Configure GPIO pin : LD2_Pin */
705 GPIO_InitStruct.Pin = GPIO_PIN_5; //LD2_Pin;
706 GPIO_InitStruct.Mode = GPIO_MODE_OUTPUT_PP;
707 GPIO_InitStruct.Pull = GPIO_NOPULL;
708 GPIO_InitStruct.Speed = GPIO_SPEED_FREQ_LOW;
709 HAL_GPIO_Init(GPIOA, &GPIO_InitStruct);
710
```

# Add Code to main()

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```
731  /* USER CODE END Header_StartDefaultTask */
732  void StartDefaultTask(void const * argument)
733  {
734
735      /* USER CODE BEGIN 5 */
736      /* Infinite loop */
737      for(;;)
738      {
739          HAL_GPIO_TogglePin(GPIOA, GPIO_PIN_5);
740          osDelay(1000);
741      }
742      /* USER CODE END 5 */
743  }
744
```

# Build and Run

- You should see the LED blinking on your board

