Collision Prevention in Distributed 6TiSCH Networks

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Outline

Introduction & Background

- General Introduction
- IEEE802.15.4 Protocols
- Project challenges & Objectives

Proposed Mechanism

- Using 6top Transaction
- Avoid Table
- Cell Buffer
- Housekeeping Approach

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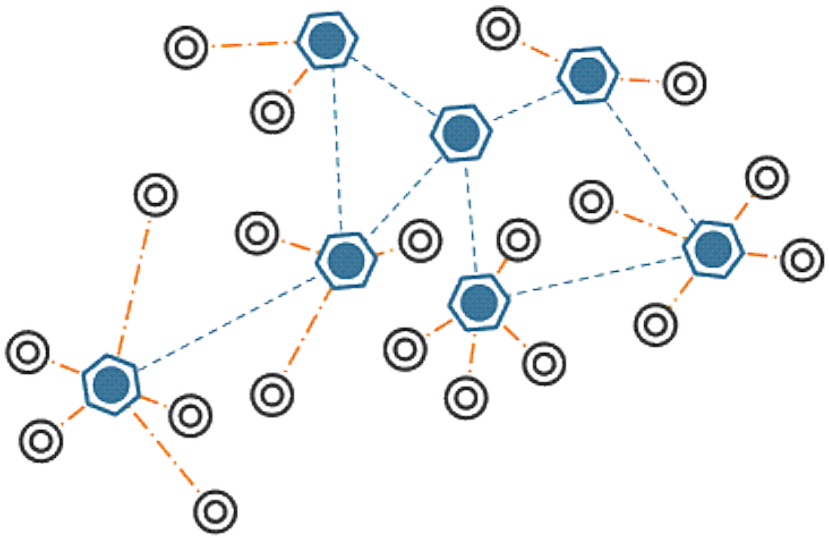
IoT & Wireless Sensor Networks

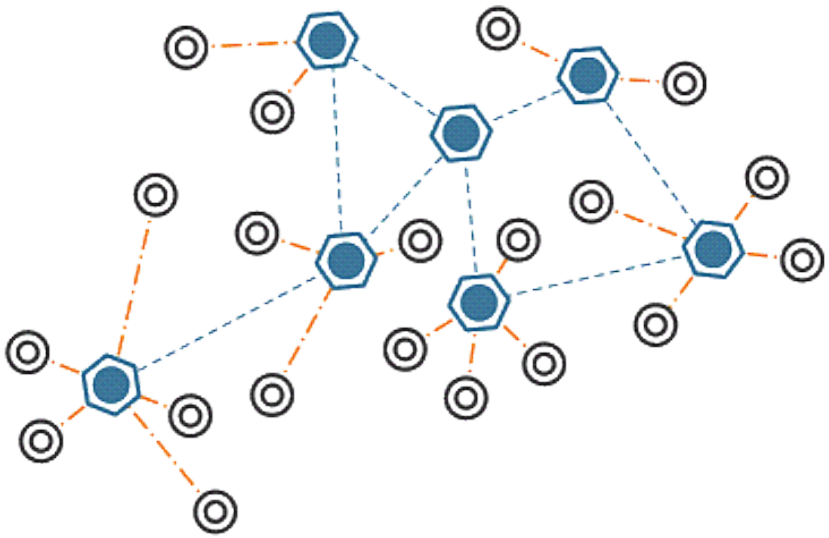
- Network technologies and IoT.



General Introduction

IoT & Wireless Sensor Networks

- Network technologies and IoT.
- WSN: standardization of IoT nodes communication.



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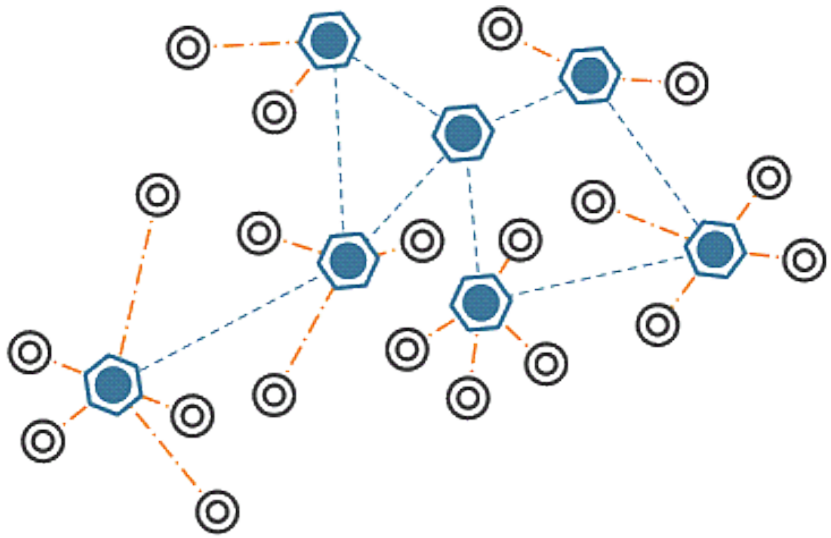

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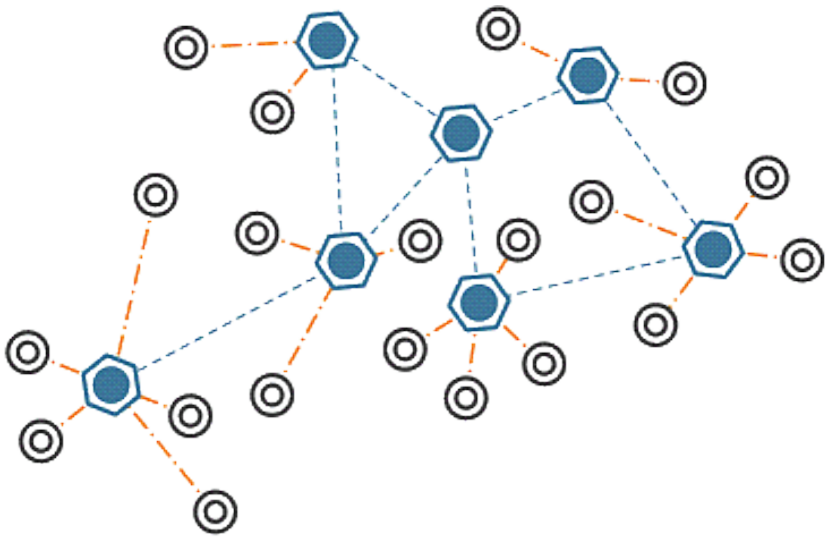
- IEEE802.15.4 one of the main standards of WSN.



General intoduction

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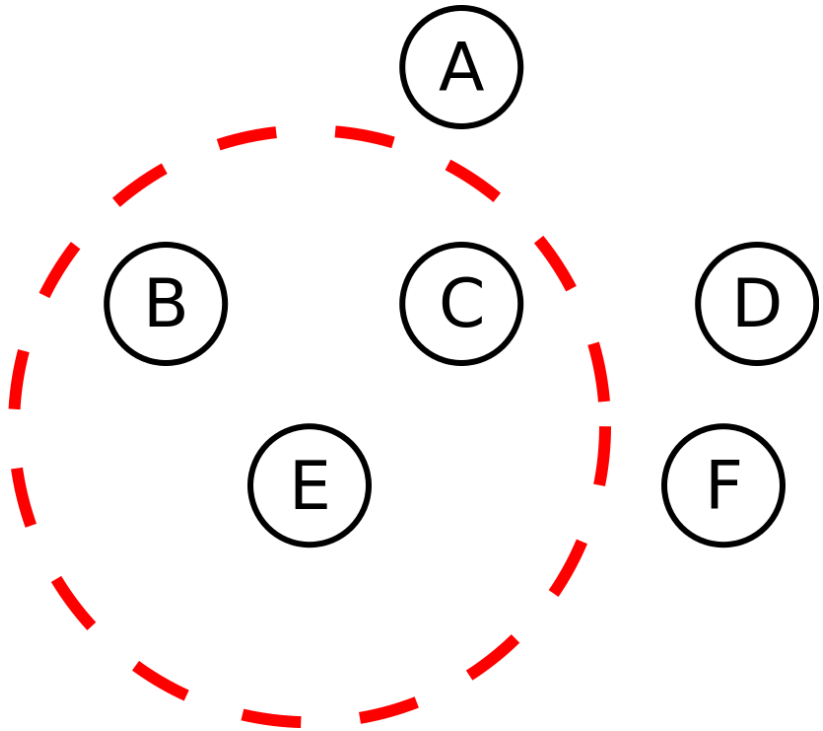
Converge Cast Structure

- Nodes radio ranges defines the neighborhood.



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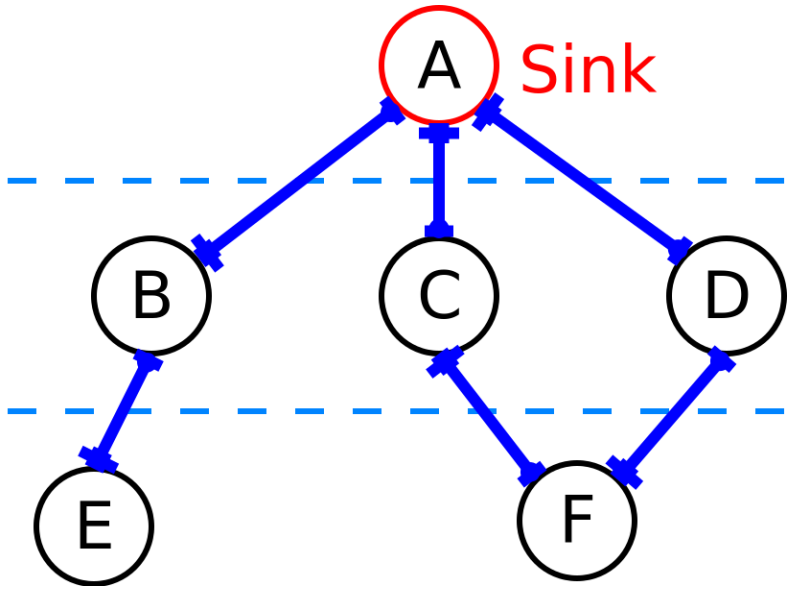
- Sink is selected.



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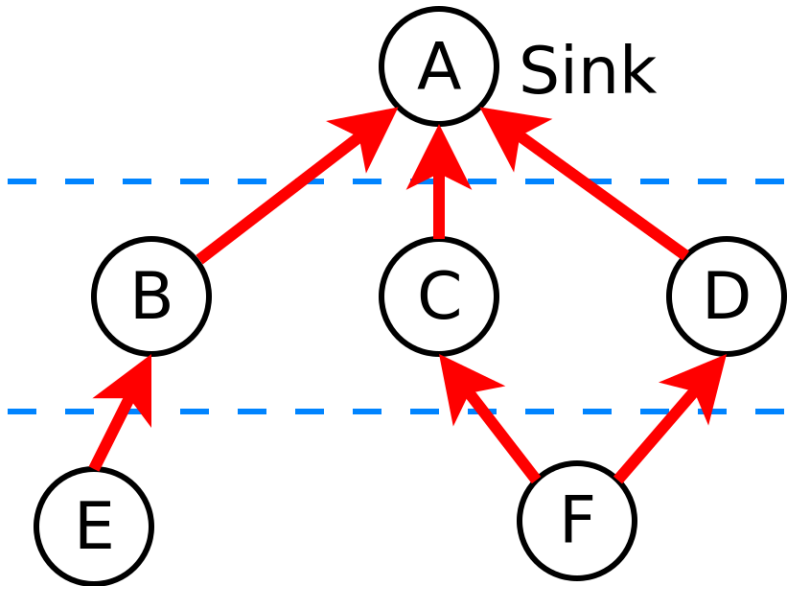

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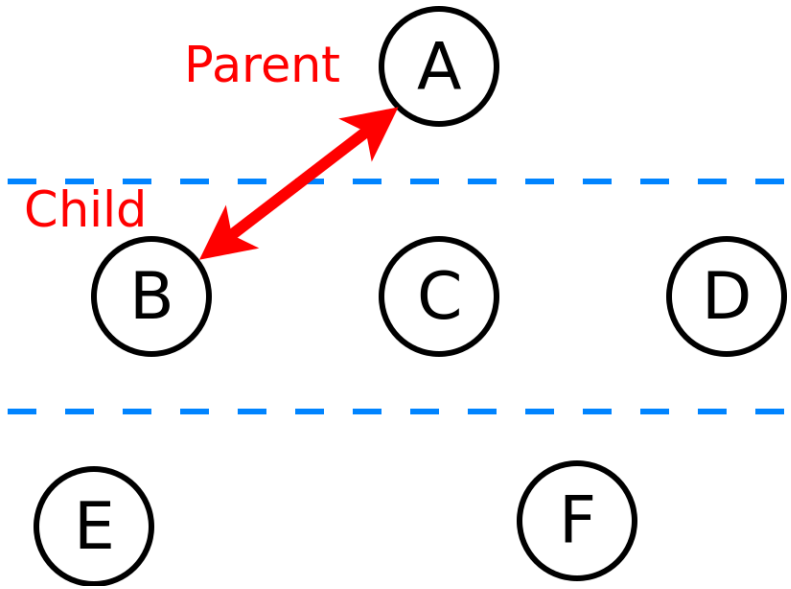
- Sink is selected.
- Packets are forwarded toward the sink.
- Communication pairs.



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