

# Nomad

(Mobile Agent System for Internet Based *Auction House*)

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"Nomad" Mobile Auction Agent

## 질문

- Nomad에서 지원하는 agent 의 종류는 모두 다섯가지 입니다. 이중 세가지를 골라서 간단한 설명과 함께 써주시면 됩니다.

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## eMediator

- A next generation Electronic Commerce server
  - eAuctionHouse
  - Leveled commitment contract optimizer
  - eExchangeHouse

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## eAuctionHouse(1)



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## eAuctionHouse(2)

- Combinatorial auctions
  - OR-bids, XOR-bids
- Bidding via price-quantity graphs
  - continuous preference
- support for choosing auction type
  - single, double, multiple....
- NOMAD
  - mobile agents as auction participants

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## Log on



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## Auction List



Open auctions


This is a list of the auctions that are currently open. By clicking on an auction in the list below you can view all other info.

Auction ID	Name	Description
1	1. Auction of 1000	1000 units of goods, 1000 units of goods
2	2. Auction of 1000	1000 units of goods, 1000 units of goods
3	3. Auction of 1000	1000 units of goods, 1000 units of goods
4	4. Auction of 1000	1000 units of goods, 1000 units of goods
5	5. Auction of 1000	1000 units of goods, 1000 units of goods
6	6. Auction of 1000	1000 units of goods, 1000 units of goods
7	7. Auction of 1000	1000 units of goods, 1000 units of goods
8	8. Auction of 1000	1000 units of goods, 1000 units of goods
9	9. Auction of 1000	1000 units of goods, 1000 units of goods
10	10. Auction of 1000	1000 units of goods, 1000 units of goods

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## Auction Specification



Auction name:

Description:

Auction rules:

Bid rules:


Bid communication rules:

Bid communication rules:

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## Bid or Agent?



Last made provided at:

Last bid created at:

Auction id:

Information of goods

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## Bid(1)



New your bid

Bid name:


Bid quantity:

Bid price:

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## Bid(2)



New quality-price-graph bid

Bid name:

Bid quantity:

Bid price:

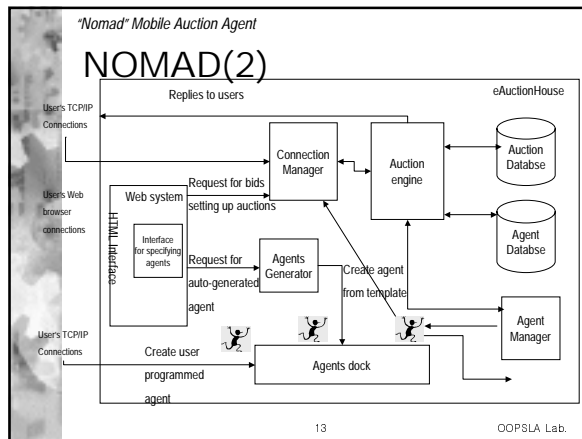
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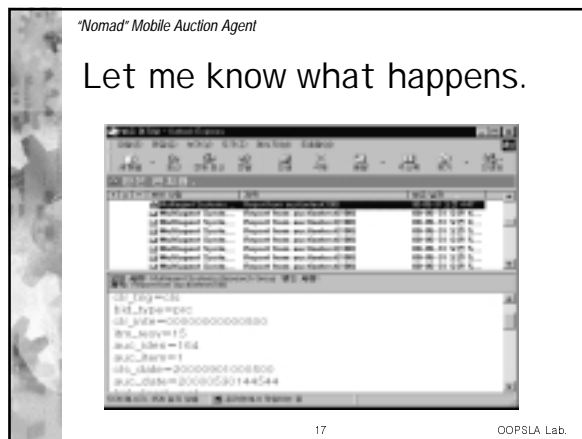
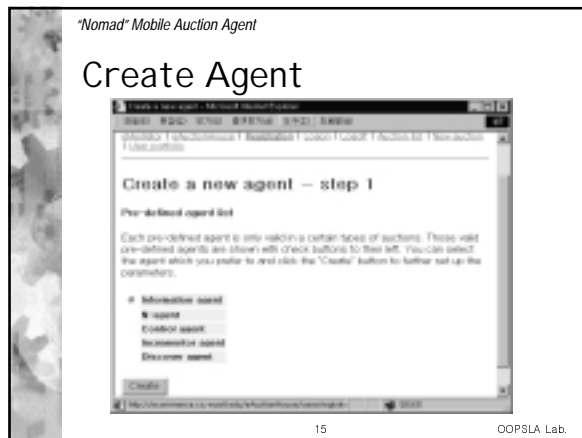
## NOMAD(1)

- Mobile agent system for electronic auctions
- Reduction of network traffic
- Speed up
  - network problem
  - computationally intensive bidding

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- ## NOMAD(3)
- Information agent
  - Incrementor agent
  - N-agent
  - Control agent
  - discover agent
  - coalition agent(future works)
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- ## Conclusion
- Bidding기법에 관한 연구 필요
  - 여러 auction platform간에 API 통일 문제
  - 다른 에이전트와의 통신 문제
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