

Lambda Integration

Survey Reputation Score Formula : $\sum_{i=1}^{n=11} w_i S_i$

W = weight of the question

S = Question Score

Update Reputation Score Formula:

$(surveyRUIScore + (oldRUIScore * referralNum)) / (1 + referralNum)$

Payload

```
payload = {
  employer_id: 53465432031613,
  employee_id: 54616543213541,
  survey: {
    s_work_time: 4,
    s_pressure: 2,
    s_ethic: 3,
    s_complaints: 4,
    s_respect: 2,
    s_reliable: 2,
    s_task_time: 4,
    s_task_complete: 3,
    s_communicate: 2,
    s_experience: 3,
    s_fulltime: 1,
  },
  submission_time: "2022-02-22T01:52:54Z",
}
```

Lambda Serverless Function

```
score = 0;
survey.map((question, q_score) => {
  score += weights[question] * q_score;
});

dynamodb.Referral.post(referral);

employee = dynamodb.Employee.query(employee_id);

updated_score = (score + employee.score * employee.referral_nums) / (1 +
employee.referral_nums);

updated_referral_nums = employee.referral_nums + 1;

dynamodb.Employee.update(employee_id, updated_score,
updated_referral_nums, last_updated);

blockchain.push(employee_id, updated_score, submission_time);
```

Question Values:

Question	Weights	Score values
s_work_time	1	1 to 5
s_pressure	1	1 to 5
s_ethic	1	1 to 5
s_complaints	1	1 to 5
s_respect	1	1 to 5
s_reliable	1	1 to 5
s_task_time	1	1 to 5
s_task_complete	1	1 to 5
s_communicate	1	1 to 5
s_experience	1	1 to 5
s_fulltime	0.5	1 or 2